

761612000240SeqList
SEQUENCE LISTING

<110> Alpine Immune Sciences, Inc.
SWANSON, Ryan
KORNACKER, Michael

<120> TUNABLE VARIANT IMMUNOGLOBULIN SUPERFAMILY DOMAINS AND ENGINEERED
CELL THERAPY

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<140> Not Yet Assigned
<141> Concurrently Herewith

<150> 62/218,531
<151> 2015-09-14

<150> 62/367,822
<151> 2016-07-28

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<151> 2016-07-28

<150> 62/323,608
<151> 2016-04-15

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<170> PatentIn version 3.5

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Ser Gly Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu

761612000240SeqList

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Glu	His	Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr
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145				150						155				160	
Ile	Cys	Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu
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Glu	Asn	Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp
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Pro	Glu	Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met
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Thr	Thr	Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg
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Val	Asn	Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro
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Asp	Asn	Leu	Leu	Pro	Ser	Trp	Ala	Ile	Thr	Leu	Ile	Ser	Val	Asn	Gly
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Ile	Phe	Val	Ile	Cys	Cys	Leu	Thr	Tyr	Cys	Phe	Ala	Pro	Arg	Cys	Arg
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 Asn Glu Thr Ala Asp Leu Pro Cys Gln Phe Ala Asn Ser Gln Asn Gln

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Lys	Tyr	Met	Gly	Arg	Thr	Ser	Phe	Asp	Ser	Asp	Ser	Trp	Thr	Leu	Arg
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Leu	His	Asn	Leu	Gln	Ile	Lys	Asp	Lys	Gly	Leu	Tyr	Gln	Cys	Ile	Ile
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His	His	Lys	Lys	Pro	Thr	Gly	Met	Ile	Arg	Ile	His	Gln	Met	Asn	Ser
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Ser	Asn	Ile	Thr	Glu	Asn	Val	Tyr	Ile	Asn	Leu	Thr	Cys	Ser	Ser	Ile
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His	Gly	Tyr	Pro	Glu	Pro	Lys	Lys	Met	Ser	Val	Leu	Leu	Arg	Thr	Lys
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Asn	Ser	Thr	Ile	Glu	Tyr	Asp	Gly	Val	Met	Gln	Lys	Ser	Gln	Asp	Asn
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Val	Thr	Glu	Leu	Tyr	Asp	Val	Ser	Ile	Ser	Leu	Ser	Val	Ser	Phe	Pro
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Asp	Val	Thr	Ser	Asn	Met	Thr	Ile	Phe	Cys	Ile	Leu	Glu	Thr	Asp	Lys
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Thr	Arg	Leu	Leu	Ser	Ser	Pro	Phe	Ser	Ile	Glu	Leu	Glu	Asp	Pro	Gln
225					230					235					240
Pro	Pro	Pro	Asp	His	Ile	Pro	Trp	Ile	Thr	Ala	Val	Leu	Pro	Thr	Val
				245						250				255	
Ile	Ile	Cys	Val	Met	Val	Phe	Cys	Leu	Ile	Leu	Trp	Lys	Trp	Lys	Lys
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Arg	Glu	Glu	Ser	Glu	Gln	Thr	Lys	Lys	Arg	Glu	Lys	Ile	His	Ile	Pro
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Glu	Arg	Ser	Asp	Glu	Ala	Gln	Arg	Val	Phe	Lys	Ser	Ser	Lys	Thr	Ser
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Gly Ser Asn Met Thr Ile Glu Cys Lys Phe Pro Val Glu Lys Gln Leu
35        40        45
Asp Leu Ala Ala Leu Ile Val Tyr Trp Glu Met Glu Asp Lys Asn Ile
50        55        60
Ile Gln Phe Val His Gly Glu Glu Asp Leu Lys Val Gln His Ser Ser
65        70        75        80
Tyr Arg Gln Arg Ala Arg Leu Leu Lys Asp Gln Leu Ser Leu Gly Asn
85        90        95
Ala Ala Leu Gln Ile Thr Asp Val Lys Leu Gln Asp Ala Gly Val Tyr
100       105       110
Arg Cys Met Ile Ser Tyr Gly Gly Ala Asp Tyr Lys Arg Ile Thr Val
115       120       125
Lys Val Asn Ala Pro Tyr Asn Lys Ile Asn Gln Arg Ile Leu Val Val
130       135       140
Asp Pro Val Thr Ser Glu His Glu Leu Thr Cys Gln Ala Glu Gly Tyr
145       150       155       160
Pro Lys Ala Glu Val Ile Trp Thr Ser Ser Asp His Gln Val Leu Ser
165       170       175
Gly Lys Thr Thr Thr Thr Asn Ser Lys Arg Glu Glu Lys Leu Phe Asn
180       185       190
Val Thr Ser Thr Leu Arg Ile Asn Thr Thr Thr Asn Glu Ile Phe Tyr
195       200       205
Cys Thr Phe Arg Arg Leu Asp Pro Glu Glu Asn His Thr Ala Glu Leu
210       215       220
Val Ile Pro Glu Leu Pro Leu Ala His Pro Pro Asn Glu Arg Thr His
225       230       235       240
Leu Val Ile Leu Gly Ala Ile Leu Leu Cys Leu Gly Val Ala Leu Thr
245       250       255
Phe Ile Phe Arg Leu Arg Lys Gly Arg Met Met Asp Val Lys Lys Cys
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Glu Thr
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20           25           30
Glu His Gly Ser Asn Val Thr Leu Glu Cys Asn Phe Asp Thr Gly Ser
35           40           45
His Val Asn Leu Gly Ala Ile Thr Ala Ser Leu Gln Lys Val Glu Asn
50           55           60
Asp Thr Ser Pro His Arg Glu Arg Ala Thr Leu Leu Glu Glu Gln Leu
65           70           75           80
Pro Leu Gly Lys Ala Ser Phe His Ile Pro Gln Val Gln Val Arg Asp
85           90           95
Glu Gly Gln Tyr Gln Cys Ile Ile Ile Tyr Gly Val Ala Trp Asp Tyr
100          105          110
Lys Tyr Leu Thr Leu Lys Val Lys Ala Ser Tyr Arg Lys Ile Asn Thr
115          120          125
His Ile Leu Lys Val Pro Glu Thr Asp Glu Val Glu Leu Thr Cys Gln
130          135          140
Ala Thr Gly Tyr Pro Leu Ala Glu Val Ser Trp Pro Asn Val Ser Val
145          150          155          160
Pro Ala Asn Thr Ser His Ser Arg Thr Pro Glu Gly Leu Tyr Gln Val
165          170          175
Thr Ser Val Leu Arg Leu Lys Pro Pro Pro Gly Arg Asn Phe Ser Cys
180          185          190
Val Phe Trp Asn Thr His Val Arg Glu Leu Thr Leu Ala Ser Ile Asp
195          200          205
Leu Gln Ser Gln Met Glu Pro Arg Thr His Pro Thr Trp Leu Leu His
210          215          220
Ile Phe Ile Pro Phe Cys Ile Ile Ala Phe Ile Phe Ile Ala Thr Val
225          230          235          240
Ile Ala Leu Arg Lys Gln Leu Cys Gln Lys Leu Tyr Ser Ser Lys Asp
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Thr Thr Lys Arg Pro Val Thr Thr Thr Lys Arg Glu Val Asn Ser Ala
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Val Glu Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn
35     40     45
Asp Val Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr
50     55     60
Tyr His Ile Pro Gln Asn Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr
65     70     75     80
Arg Asn Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe
85     90     95
Ser Leu Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His
100    105    110
Cys Leu Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val
115    120    125
Glu Val Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser
130    135    140
Ala Pro His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser
145    150    155    160
Ile Asn Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp
165    170    175
Asn Ser Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn
180    185    190
Met Arg Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr
195    200    205
Pro Ser Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln
210    215    220
Asn Leu Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp
225    230    235    240
Lys Ile Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
245    250    255
Trp Ser Ile Leu Ala Val Leu Cys Leu Leu Val Val Val Ala Val Ala
260    265    270
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Ala Trp Ala Val Ser Pro Glu Thr Glu Leu Thr Gly His Val
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Val Pro Glu Asp Pro Val Val Ala Leu Val Gly Thr Asp Ala Thr Leu
35     40     45
Cys Cys Ser Phe Ser Pro Glu Pro Gly Phe Ser Leu Ala Gln Leu Asn
50     55     60
Leu Ile Trp Gln Leu Thr Asp Thr Lys Gln Leu Val His Ser Phe Ala
65     70     75     80
Glu Gly Gln Asp Gln Gly Ser Ala Tyr Ala Asn Arg Thr Ala Leu Phe
85     90     95
Pro Asp Leu Leu Ala Gln Gly Asn Ala Ser Leu Arg Leu Gln Arg Val
100    105    110
Arg Val Ala Asp Glu Gly Ser Phe Thr Cys Phe Val Ser Ile Arg Asp
115    120    125
Phe Gly Ser Ala Ala Val Ser Leu Gln Val Ala Ala Pro Tyr Ser Lys
130    135    140
Pro Ser Met Thr Leu Glu Pro Asn Lys Asp Leu Arg Pro Gly Asp Thr
145    150    155    160
Val Thr Ile Thr Cys Ser Ser Tyr Gln Gly Tyr Pro Glu Ala Glu Val
165    170    175
Phe Trp Gln Asp Gly Gln Gly Val Pro Leu Thr Gly Asn Val Thr Thr
180    185    190
Ser Gln Met Ala Asn Glu Gln Gly Leu Phe Asp Val His Ser Ile Leu
195    200    205
Arg Val Val Leu Gly Ala Asn Gly Thr Tyr Ser Cys Leu Val Arg Asn
210    215    220
Pro Val Leu Gln Gln Asp Ala His Ser Ser Val Thr Ile Thr Pro Gln
225    230    235    240
Arg Ser Pro Thr Gly Ala Val Glu Val Gln Val Pro Glu Asp Pro Val
245    250    255
Val Ala Leu Val Gly Thr Asp Ala Thr Leu Arg Cys Ser Phe Ser Pro
260    265    270
Glu Pro Gly Phe Ser Leu Ala Gln Leu Asn Leu Ile Trp Gln Leu Thr
275    280    285
Asp Thr Lys Gln Leu Val His Ser Phe Thr Glu Gly Arg Asp Gln Gly
290    295    300
Ser Ala Tyr Ala Asn Arg Thr Ala Leu Phe Pro Asp Leu Leu Ala Gln
305    310    315    320
Gly Asn Ala Ser Leu Arg Leu Gln Arg Val Arg Val Ala Asp Glu Gly
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761612000240SeqList

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Ser Leu Gln Val Ala Ala Pro Tyr Ser Lys Pro Ser Met Thr Leu Glu
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   370                               375           380
Ser Tyr Arg Gly Tyr Pro Glu Ala Glu Val Phe Trp Gln Asp Gly Gln
385                               390           395           400
Gly Val Pro Leu Thr Gly Asn Val Thr Thr Ser Gln Met Ala Asn Glu
   405                               410           415
Gln Gly Leu Phe Asp Val His Ser Val Leu Arg Val Val Leu Gly Ala
   420                               425           430
Asn Gly Thr Tyr Ser Cys Leu Val Arg Asn Pro Val Leu Gln Gln Asp
   435                               440           445
Ala His Gly Ser Val Thr Ile Thr Gly Gln Pro Met Thr Phe Pro Pro
   450                               455           460
Glu Ala Leu Trp Val Thr Val Gly Leu Ser Val Cys Leu Ile Ala Leu
465                               470           475           480
Leu Val Ala Leu Ala Phe Val Cys Trp Arg Lys Ile Lys Gln Ser Cys
   485                               490           495
Glu Glu Glu Asn Ala Gly Ala Glu Asp Gln Asp Gly Glu Gly Glu Gly
   500                               505           510
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Asp Gly Gln Glu Ile Ala
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   20           25           30
Gly Arg His Ser Ile Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile
   35           40           45
Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu
   50           55           60
Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val
65           70           75           80
His Glu Phe Lys Glu Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met
   85           90           95

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		115					120					125			
Lys	Cys	Tyr	Ile	Ile	Thr	Ser	Lys	Gly	Lys	Gly	Asn	Ala	Asn	Leu	Glu
	130					135					140				
Tyr	Lys	Thr	Gly	Ala	Phe	Ser	Met	Pro	Glu	Val	Asn	Val	Asp	Tyr	Asn
145					150				155						160
Ala	Ser	Ser	Glu	Thr	Leu	Arg	Cys	Glu	Ala	Pro	Arg	Trp	Phe	Pro	Gln
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Pro	Thr	Val	Val	Trp	Ala	Ser	Gln	Val	Asp	Gln	Gly	Ala	Asn	Phe	Ser
		180						185					190		
Glu	Val	Ser	Asn	Thr	Ser	Phe	Glu	Leu	Asn	Ser	Glu	Asn	Val	Thr	Met
	195						200					205			
Lys	Val	Val	Ser	Val	Leu	Tyr	Asn	Val	Thr	Ile	Asn	Asn	Thr	Tyr	Ser
	210					215					220				
Cys	Met	Ile	Glu	Asn	Asp	Ile	Ala	Lys	Ala	Thr	Gly	Asp	Ile	Lys	Val
225					230					235					240
Thr	Glu	Ser	Glu	Ile	Lys	Arg	Arg	Ser	His	Leu	Gln	Leu	Leu	Asn	Ser
			245					250						255	
Lys	Ala	Ser	Leu	Cys	Val	Ser	Ser	Phe	Phe	Ala	Ile	Ser	Trp	Ala	Leu
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Leu	Pro	Leu	Ser	Pro	Tyr	Leu	Met	Leu	Lys						
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		20					25					30			
Asp	Asn	Ala	Val	Asn	Leu	Ser	Cys	Lys	Tyr	Ser	Tyr	Asn	Leu	Phe	Ser
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Arg	Glu	Phe	Arg	Ala	Ser	Leu	His	Lys	Gly	Leu	Asp	Ser	Ala	Val	Glu
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Val	Cys	Val	Val	Tyr	Gly	Asn	Tyr	Ser	Gln	Gln	Leu	Gln	Val	Tyr	Ser
65				70					75					80	
Lys	Thr	Gly	Phe	Asn	Cys	Asp	Gly	Lys	Leu	Gly	Asn	Glu	Ser	Val	Thr
			85					90						95	

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Phe	Tyr	Leu	Gln	Asn	Leu	Tyr	Val	Asn	Gln	Thr	Asp	Ile	Tyr	Phe	Cys
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		115					120					125			
Asn	Gly	Thr	Ile	Ile	His	Val	Lys	Gly	Lys	His	Leu	Cys	Pro	Ser	Pro
		130				135					140				
Leu	Phe	Pro	Gly	Pro	Ser	Lys	Pro	Phe	Trp	Val	Leu	Val	Val	Val	Gly
145					150				155						160
Gly	Val	Leu	Ala	Cys	Tyr	Ser	Leu	Leu	Val	Thr	Val	Ala	Phe	Ile	Ile
			165						170					175	
Phe	Trp	Val	Arg	Ser	Lys	Arg	Ser	Arg	Leu	Leu	His	Ser	Asp	Tyr	Met
		180					185						190		
Asn	Met	Thr	Pro	Arg	Arg	Pro	Gly	Pro	Thr	Arg	Lys	His	Tyr	Gln	Pro
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			20					25					30		
Val	Phe	Cys	Lys	Ala	Met	His	Val	Ala	Gln	Pro	Ala	Val	Val	Leu	Ala
		35				40						45			
Ser	Ser	Arg	Gly	Ile	Ala	Ser	Phe	Val	Cys	Glu	Tyr	Ala	Ser	Pro	Gly
	50					55				60					
Lys	Ala	Thr	Glu	Val	Arg	Val	Thr	Val	Leu	Arg	Gln	Ala	Asp	Ser	Gln
65					70				75					80	
Val	Thr	Glu	Val	Cys	Ala	Ala	Thr	Tyr	Met	Met	Gly	Asn	Glu	Leu	Thr
			85					90					95		
Phe	Leu	Asp	Asp	Ser	Ile	Cys	Thr	Gly	Thr	Ser	Ser	Gly	Asn	Gln	Val
		100						105					110		
Asn	Leu	Thr	Ile	Gln	Gly	Leu	Arg	Ala	Met	Asp	Thr	Gly	Leu	Tyr	Ile
		115					120					125			
Cys	Lys	Val	Glu	Leu	Met	Tyr	Pro	Pro	Pro	Tyr	Tyr	Leu	Gly	Ile	Gly
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Asn	Gly	Thr	Gln	Ile	Tyr	Val	Ile	Asp	Pro	Glu	Pro	Cys	Pro	Asp	Ser
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Asp	Phe	Leu	Leu	Trp	Ile	Leu	Ala	Ala	Val	Ser	Ser	Gly	Leu	Phe	Phe
			165						170					175	
Tyr	Ser	Phe	Leu	Leu	Thr	Ala	Val	Ser	Leu	Ser	Lys	Met	Leu	Lys	Lys
			180						185					190	
Arg	Ser	Pro	Leu	Thr	Thr	Gly	Val	Tyr	Val	Lys	Met	Pro	Pro	Thr	Glu
		195					200					205			
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			20					25				30			
Asn	Pro	Pro	Thr	Phe	Ser	Pro	Ala	Leu	Leu	Val	Val	Thr	Glu	Gly	Asp
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Asn	Ala	Thr	Phe	Thr	Cys	Ser	Phe	Ser	Asn	Thr	Ser	Glu	Ser	Phe	Val
	50					55					60				
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65					70					75				80	
Ala	Phe	Pro	Glu	Asp	Arg	Ser	Gln	Pro	Gly	Gln	Asp	Cys	Arg	Phe	Arg
				85					90					95	
Val	Thr	Gln	Leu	Pro	Asn	Gly	Arg	Asp	Phe	His	Met	Ser	Val	Val	Arg
			100					105					110		
Ala	Arg	Arg	Asn	Asp	Ser	Gly	Thr	Tyr	Leu	Cys	Gly	Ala	Ile	Ser	Leu
	115					120					125				
Ala	Pro	Lys	Ala	Gln	Ile	Lys	Glu	Ser	Leu	Arg	Ala	Glu	Leu	Arg	Val
	130					135					140				
Thr	Glu	Arg	Arg	Ala	Glu	Val	Pro	Thr	Ala	His	Pro	Ser	Pro	Ser	Pro
145					150					155					160
Arg	Pro	Ala	Gly	Gln	Phe	Gln	Thr	Leu	Val	Val	Gly	Val	Val	Gly	Gly
			165						170					175	
Leu	Leu	Gly	Ser	Leu	Val	Leu	Leu	Val	Trp	Val	Leu	Ala	Val	Ile	Cys
		180						185					190		
Ser	Arg	Ala	Ala	Arg	Gly	Thr	Ile	Gly	Ala	Arg	Arg	Thr	Gly	Gln	Pro
	195						200					205			
Leu	Lys	Glu	Asp	Pro	Ser	Ala	Val	Pro	Val	Phe	Ser	Val	Asp	Tyr	Gly
	210					215					220				

761612000240SeqList

Glu	Leu	Asp	Phe	Gln	Trp	Arg	Glu	Lys	Thr	Pro	Glu	Pro	Pro	Val	Pro
225					230					235					240
Cys	Val	Pro	Glu	Gln	Thr	Glu	Tyr	Ala	Thr	Ile	Val	Phe	Pro	Ser	Gly
				245					250						255
Met	Gly	Thr	Ser	Ser	Pro	Ala	Arg	Arg	Gly	Ser	Ala	Asp	Gly	Pro	Arg
			260					265					270		
Ser	Ala	Gln	Pro	Leu	Arg	Pro	Glu	Asp	Gly	His	Cys	Ser	Trp	Pro	Leu
		275					280					285			

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 <213> Homo sapiens

<220>
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 <223> ICOS

<400> 11

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Val	Leu	Thr	Gly	Glu	Ile	Asn	Gly	Ser	Ala	Asn	Tyr	Glu	Met	Phe	Ile
			20				25					30			
Phe	His	Asn	Gly	Gly	Val	Gln	Ile	Leu	Cys	Lys	Tyr	Pro	Asp	Ile	Val
		35				40						45			
Gln	Gln	Phe	Lys	Met	Gln	Leu	Leu	Lys	Gly	Gly	Gln	Ile	Leu	Cys	Asp
	50				55				60						
Leu	Thr	Lys	Thr	Lys	Gly	Ser	Gly	Asn	Thr	Val	Ser	Ile	Lys	Ser	Leu
65				70				75						80	
Lys	Phe	Cys	His	Ser	Gln	Leu	Ser	Asn	Asn	Ser	Val	Ser	Phe	Phe	Leu
			85					90					95		
Tyr	Asn	Leu	Asp	His	Ser	His	Ala	Asn	Tyr	Tyr	Phe	Cys	Asn	Leu	Ser
			100					105					110		
Ile	Phe	Asp	Pro	Pro	Pro	Phe	Lys	Val	Thr	Leu	Thr	Gly	Gly	Tyr	Leu
		115					120					125			
His	Ile	Tyr	Glu	Ser	Gln	Leu	Cys	Cys	Gln	Leu	Lys	Phe	Trp	Leu	Pro
	130				135						140				
Ile	Gly	Cys	Ala	Ala	Phe	Val	Val	Val	Cys	Ile	Leu	Gly	Cys	Ile	Leu
145				150					155						160
Ile	Cys	Trp	Leu	Thr	Lys	Lys	Lys	Tyr	Ser	Ser	Ser	Val	His	Asp	Pro
			165					170					175		
Asn	Gly	Glu	Tyr	Met	Phe	Met	Arg	Ala	Val	Asn	Thr	Ala	Lys	Lys	Ser
		180					185						190		
Arg	Leu	Thr	Asp	Val	Thr	Leu									
		195													

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 <211> 289
 <212> PRT
 <213> Homo sapiens

<220>
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 1 5 10 15
 Phe Phe Leu Ile Pro Tyr Leu Asp Ile Trp Asn Ile His Gly Lys Glu
 20 25 30
 Ser Cys Asp Val Gln Leu Tyr Ile Lys Arg Gln Ser Glu His Ser Ile
 35 40 45
 Leu Ala Gly Asp Pro Phe Glu Leu Glu Cys Pro Val Lys Tyr Cys Ala
 50 55 60
 Asn Arg Pro His Val Thr Trp Cys Lys Leu Asn Gly Thr Thr Cys Val
 65 70 75 80
 Lys Leu Glu Asp Arg Gln Thr Ser Trp Lys Glu Glu Lys Asn Ile Ser
 85 90 95
 Phe Phe Ile Leu His Phe Glu Pro Val Leu Pro Asn Asp Asn Gly Ser
 100 105 110
 Tyr Arg Cys Ser Ala Asn Phe Gln Ser Asn Leu Ile Glu Ser His Ser
 115 120 125
 Thr Thr Leu Tyr Val Thr Asp Val Lys Ser Ala Ser Glu Arg Pro Ser
 130 135 140
 Lys Asp Glu Met Ala Ser Arg Pro Trp Leu Leu Tyr Arg Leu Leu Pro
 145 150 155 160
 Leu Gly Gly Leu Pro Leu Leu Ile Thr Thr Cys Phe Cys Leu Phe Cys
 165 170 175
 Cys Leu Arg Arg His Gln Gly Lys Gln Asn Glu Leu Ser Asp Thr Ala
 180 185 190
 Gly Arg Glu Ile Asn Leu Val Asp Ala His Leu Lys Ser Glu Gln Thr
 195 200 205
 Glu Ala Ser Thr Arg Gln Asn Ser Gln Val Leu Leu Ser Glu Thr Gly
 210 215 220
 Ile Tyr Asp Asn Asp Pro Asp Leu Cys Phe Arg Met Gln Glu Gly Ser
 225 230 235 240
 Glu Val Tyr Ser Asn Pro Cys Leu Glu Glu Asn Lys Pro Gly Ile Val
 245 250 255
 Tyr Ala Ser Leu Asn His Ser Val Ile Gly Pro Asn Ser Arg Leu Ala
 260 265 270
 Arg Asn Val Lys Glu Ala Pro Thr Glu Tyr Ala Ser Ile Cys Val Arg
 275 280 285
 Ser

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<210> 13
 <211> 458
 <212> PRT
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<220>
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 <223> CD4

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 1 5 10 15
 Ala Leu Leu Pro Ala Ala Thr Gln Gly Lys Lys Val Val Leu Gly Lys
 20 25 30
 Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser Gln Lys Lys Ser
 35 40 45
 Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys Ile Leu Gly Asn
 50 55 60
 Gln Gly Ser Phe Leu Thr Lys Gly Pro Ser Lys Leu Asn Asp Arg Ala
 65 70 75 80
 Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe Pro Leu Ile Ile
 85 90 95
 Lys Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile Cys Glu Val Glu
 100 105 110
 Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly Leu Thr Ala Asn
 115 120 125
 Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr Leu Thr Leu Glu
 130 135 140
 Ser Pro Pro Gly Ser Ser Pro Ser Val Gln Cys Arg Ser Pro Arg Gly
 145 150 155 160
 Lys Asn Ile Gln Gly Gly Lys Thr Leu Ser Val Ser Gln Leu Glu Leu
 165 170 175
 Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln Asn Gln Lys Lys
 180 185 190
 Val Glu Phe Lys Ile Asp Ile Val Val Leu Ala Phe Gln Lys Ala Ser
 195 200 205
 Ser Ile Val Tyr Lys Lys Glu Gly Glu Gln Val Glu Phe Ser Phe Pro
 210 215 220
 Leu Ala Phe Thr Val Glu Lys Leu Thr Gly Ser Gly Glu Leu Trp Trp
 225 230 235 240
 Gln Ala Glu Arg Ala Ser Ser Ser Lys Ser Trp Ile Thr Phe Asp Leu
 245 250 255
 Lys Asn Lys Glu Val Ser Val Lys Arg Val Thr Gln Asp Pro Lys Leu
 260 265 270
 Gln Met Gly Lys Lys Leu Pro Leu His Leu Thr Leu Pro Gln Ala Leu
 275 280 285

761612000240SeqList

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Pro Gln Tyr Ala Gly Ser Gly Asn Leu Thr Leu Ala Leu Glu Ala Lys
 290                295                300
Thr Gly Lys Leu His Gln Glu Val Asn Leu Val Val Met Arg Ala Thr
305                310                315                320
Gln Leu Gln Lys Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro
                325                330                335
Lys Leu Met Leu Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser
                340                345                350
Lys Arg Glu Lys Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp
                355                360                365
Gln Cys Leu Leu Ser Asp Ser Gly Gln Val Leu Leu Glu Ser Asn Ile
                370                375                380
Lys Val Leu Pro Thr Trp Ser Thr Pro Val Gln Pro Met Ala Leu Ile
385                390                395                400
Val Leu Gly Gly Val Ala Gly Leu Leu Leu Phe Ile Gly Leu Gly Ile
                405                410                415
Phe Phe Cys Val Arg Cys Arg His Arg Arg Arg Gln Ala Glu Arg Met
                420                425                430
Ser Gln Ile Lys Arg Leu Leu Ser Glu Lys Lys Thr Cys Gln Cys Pro
                435                440                445
His Arg Phe Gln Lys Thr Cys Ser Pro Ile
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 <213> Homo sapiens

<220>
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 <223> CD8A(CD8-alpha)

<400> 14

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His Ala Ala Arg Pro Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr
                20          25          30
Trp Asn Leu Gly Glu Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser
                35          40          45
Asn Pro Thr Ser Gly Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala
                50          55          60
Ala Ser Pro Thr Phe Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala
65          70          75          80
Ala Glu Gly Leu Asp Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp
                85          90          95
Thr Phe Val Leu Thr Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr
                100         105         110

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761612000240SeqList

Tyr	Phe	Cys	Ser	Ala	Leu	Ser	Asn	Ser	Ile	Met	Tyr	Phe	Ser	His	Phe
	115						120					125			
Val	Pro	Val	Phe	Leu	Pro	Ala	Lys	Pro	Thr	Thr	Thr	Pro	Ala	Pro	Arg
	130					135						140			
Pro	Pro	Thr	Pro	Ala	Pro	Thr	Ile	Ala	Ser	Gln	Pro	Leu	Ser	Leu	Arg
145					150					155					160
Pro	Glu	Ala	Cys	Arg	Pro	Ala	Ala	Gly	Gly	Ala	Val	His	Thr	Arg	Gly
			165					170						175	
Leu	Asp	Phe	Ala	Cys	Asp	Ile	Tyr	Ile	Trp	Ala	Pro	Leu	Ala	Gly	Thr
		180						185					190		
Cys	Gly	Val	Leu	Leu	Leu	Ser	Leu	Val	Ile	Thr	Leu	Tyr	Cys	Asn	His
	195						200					205			
Arg	Asn	Arg	Arg	Arg	Val	Cys	Lys	Cys	Pro	Arg	Pro	Val	Val	Lys	Ser
	210					215					220				
Gly	Asp	Lys	Pro	Ser	Leu	Ser	Ala	Arg	Tyr	Val					
225					230					235					

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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> CD8B(CD8-beta)

<400> 15

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His	Gly	Asn	Ser	Val	Leu	Gln	Gln	Thr	Pro	Ala	Tyr	Ile	Lys	Val	Gln
		20						25					30		
Thr	Asn	Lys	Met	Val	Met	Leu	Ser	Cys	Glu	Ala	Lys	Ile	Ser	Leu	Ser
		35				40						45			
Asn	Met	Arg	Ile	Tyr	Trp	Leu	Arg	Gln	Arg	Gln	Ala	Pro	Ser	Ser	Asp
	50					55				60					
Ser	His	His	Glu	Phe	Leu	Ala	Leu	Trp	Asp	Ser	Ala	Lys	Gly	Thr	Ile
65				70					75					80	
His	Gly	Glu	Glu	Val	Glu	Gln	Glu	Lys	Ile	Ala	Val	Phe	Arg	Asp	Ala
			85					90					95		
Ser	Arg	Phe	Ile	Leu	Asn	Leu	Thr	Ser	Val	Lys	Pro	Glu	Asp	Ser	Gly
		100						105					110		
Ile	Tyr	Phe	Cys	Met	Ile	Val	Gly	Ser	Pro	Glu	Leu	Thr	Phe	Gly	Lys
	115						120					125			
Gly	Thr	Gln	Leu	Ser	Val	Val	Asp	Phe	Leu	Pro	Thr	Thr	Ala	Gln	Pro
	130					135						140			
Thr	Lys	Lys	Ser	Thr	Leu	Lys	Lys	Arg	Val	Cys	Arg	Leu	Pro	Arg	Pro
145					150					155					160

761612000240SeqList

Glu Thr Gln Lys Gly Pro Leu Cys Ser Pro Ile Thr Leu Gly Leu Leu
165 170 175
Val Ala Gly Val Leu Val Leu Leu Val Ser Leu Gly Val Ala Ile His
180 185 190
Leu Cys Cys Arg Arg Arg Arg Ala Arg Leu Arg Phe Met Lys Gln Phe
195 200 205
Tyr Lys
210

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<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<223> LAG3

<400> 16

Met Trp Glu Ala Gln Phe Leu Gly Leu Leu Phe Leu Gln Pro Leu Trp
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Val Ala Pro Val Lys Pro Leu Gln Pro Gly Ala Glu Val Pro Val Val
20 25 30
Trp Ala Gln Glu Gly Ala Pro Ala Gln Leu Pro Cys Ser Pro Thr Ile
35 40 45
Pro Leu Gln Asp Leu Ser Leu Leu Arg Arg Ala Gly Val Thr Trp Gln
50 55 60
His Gln Pro Asp Ser Gly Pro Pro Ala Ala Ala Pro Gly His Pro Leu
65 70 75 80
Ala Pro Gly Pro His Pro Ala Ala Pro Ser Ser Trp Gly Pro Arg Pro
85 90 95
Arg Arg Tyr Thr Val Leu Ser Val Gly Pro Gly Gly Leu Arg Ser Gly
100 105 110
Arg Leu Pro Leu Gln Pro Arg Val Gln Leu Asp Glu Arg Gly Arg Gln
115 120 125
Arg Gly Asp Phe Ser Leu Trp Leu Arg Pro Ala Arg Arg Ala Asp Ala
130 135 140
Gly Glu Tyr Arg Ala Ala Val His Leu Arg Asp Arg Ala Leu Ser Cys
145 150 155 160
Arg Leu Arg Leu Arg Leu Gly Gln Ala Ser Met Thr Ala Ser Pro Pro
165 170 175
Gly Ser Leu Arg Ala Ser Asp Trp Val Ile Leu Asn Cys Ser Phe Ser
180 185 190
Arg Pro Asp Arg Pro Ala Ser Val His Trp Phe Arg Asn Arg Gly Gln
195 200 205
Gly Arg Val Pro Val Arg Glu Ser Pro His His His Leu Ala Glu Ser
210 215 220

761612000240SeqList

Phe	Leu	Phe	Leu	Pro	Gln	Val	Ser	Pro	Met	Asp	Ser	Gly	Pro	Trp	Gly	225	230	235	240
Cys	Ile	Leu	Thr	Tyr	Arg	Asp	Gly	Phe	Asn	Val	Ser	Ile	Met	Tyr	Asn	245	250	255	
Leu	Thr	Val	Leu	Gly	Leu	Glu	Pro	Pro	Thr	Pro	Leu	Thr	Val	Tyr	Ala	260	265	270	
Gly	Ala	Gly	Ser	Arg	Val	Gly	Leu	Pro	Cys	Arg	Leu	Pro	Ala	Gly	Val	275	280	285	
Gly	Thr	Arg	Ser	Phe	Leu	Thr	Ala	Lys	Trp	Thr	Pro	Pro	Gly	Gly	Gly	290	295	300	
Pro	Asp	Leu	Leu	Val	Thr	Gly	Asp	Asn	Gly	Asp	Phe	Thr	Leu	Arg	Leu	305	310	315	320
Glu	Asp	Val	Ser	Gln	Ala	Gln	Ala	Gly	Thr	Tyr	Thr	Cys	His	Ile	His	325	330	335	
Leu	Gln	Glu	Gln	Gln	Leu	Asn	Ala	Thr	Val	Thr	Leu	Ala	Ile	Ile	Thr	340	345	350	
Val	Thr	Pro	Lys	Ser	Phe	Gly	Ser	Pro	Gly	Ser	Leu	Gly	Lys	Leu	Leu	355	360	365	
Cys	Glu	Val	Thr	Pro	Val	Ser	Gly	Gln	Glu	Arg	Phe	Val	Trp	Ser	Ser	370	375	380	
Leu	Asp	Thr	Pro	Ser	Gln	Arg	Ser	Phe	Ser	Gly	Pro	Trp	Leu	Glu	Ala	385	390	395	400
Gln	Glu	Ala	Gln	Leu	Leu	Ser	Gln	Pro	Trp	Gln	Cys	Gln	Leu	Tyr	Gln	405	410	415	
Gly	Glu	Arg	Leu	Leu	Gly	Ala	Ala	Val	Tyr	Phe	Thr	Glu	Leu	Ser	Ser	420	425	430	
Pro	Gly	Ala	Gln	Arg	Ser	Gly	Arg	Ala	Pro	Gly	Ala	Leu	Pro	Ala	Gly	435	440	445	
His	Leu	Leu	Leu	Phe	Leu	Ile	Leu	Gly	Val	Leu	Ser	Leu	Leu	Leu	Leu	450	455	460	
Val	Thr	Gly	Ala	Phe	Gly	Phe	His	Leu	Trp	Arg	Arg	Gln	Trp	Arg	Pro	465	470	475	480
Arg	Arg	Phe	Ser	Ala	Leu	Glu	Gln	Gly	Ile	His	Pro	Pro	Gln	Ala	Gln	485	490	495	
Ser	Lys	Ile	Glu	Glu	Leu	Glu	Gln	Glu	Pro	Glu	Pro	Glu	Pro	Glu	Pro	500	505	510	
Glu	Pro	Glu	Pro	Glu	Pro	Glu	Pro	Glu	Pro	Glu	Gln	Leu				515	520	525	

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<220>
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 <223> HAVCR2(TIM-3)

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<400> 17

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Leu Leu Thr Arg Ser Ser Glu Val Glu Tyr Arg Ala Glu Val Gly Gln
20     25     30
Asn Ala Tyr Leu Pro Cys Phe Tyr Thr Pro Ala Ala Pro Gly Asn Leu
35     40     45
Val Pro Val Cys Trp Gly Lys Gly Ala Cys Pro Val Phe Glu Cys Gly
50     55     60
Asn Val Val Leu Arg Thr Asp Glu Arg Asp Val Asn Tyr Trp Thr Ser
65     70     75     80
Arg Tyr Trp Leu Asn Gly Asp Phe Arg Lys Gly Asp Val Ser Leu Thr
85     90     95
Ile Glu Asn Val Thr Leu Ala Asp Ser Gly Ile Tyr Cys Cys Arg Ile
100    105    110
Gln Ile Pro Gly Ile Met Asn Asp Glu Lys Phe Asn Leu Lys Leu Val
115    120    125
Ile Lys Pro Ala Lys Val Thr Pro Ala Pro Thr Arg Gln Arg Asp Phe
130    135    140
Thr Ala Ala Phe Pro Arg Met Leu Thr Thr Arg Gly His Gly Pro Ala
145    150    155    160
Glu Thr Gln Thr Leu Gly Ser Leu Pro Asp Ile Asn Leu Thr Gln Ile
165    170    175
Ser Thr Leu Ala Asn Glu Leu Arg Asp Ser Arg Leu Ala Asn Asp Leu
180    185    190
Arg Asp Ser Gly Ala Thr Ile Arg Ile Gly Ile Tyr Ile Gly Ala Gly
195    200    205
Ile Cys Ala Gly Leu Ala Leu Ala Leu Ile Phe Gly Ala Leu Ile Phe
210    215    220
Lys Trp Tyr Ser His Ser Lys Glu Lys Ile Gln Asn Leu Ser Leu Ile
225    230    235    240
Ser Leu Ala Asn Leu Pro Pro Ser Gly Leu Ala Asn Ala Val Ala Glu
245    250    255
Gly Ile Arg Ser Glu Glu Asn Ile Tyr Thr Ile Glu Glu Asn Val Tyr
260    265    270
Glu Val Glu Glu Pro Asn Glu Tyr Tyr Cys Tyr Val Ser Ser Arg Gln
275    280    285
Gln Pro Ser Gln Pro Leu Gly Cys Arg Phe Ala Met Pro
290    295    300

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<210> 18

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<212> PRT

<213> Homo sapiens

<220>

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<221> MISC_FEATURE

<223> CEACAM1

<400> 18

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Gly Leu Leu Leu Thr Ala Ser Leu Leu Thr Phe Trp Asn Pro Pro Thr
      20      25      30
Thr Ala Gln Leu Thr Thr Glu Ser Met Pro Phe Asn Val Ala Glu Gly
      35      40      45
Lys Glu Val Leu Leu Leu Val His Asn Leu Pro Gln Gln Leu Phe Gly
      50      55      60
Tyr Ser Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Val
65      70      75      80
Gly Tyr Ala Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Asn Ser
      85      90      95
Gly Arg Glu Thr Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Val
      100      105      110
Thr Gln Asn Asp Thr Gly Phe Tyr Thr Leu Gln Val Ile Lys Ser Asp
      115      120      125
Leu Val Asn Glu Glu Ala Thr Gly Gln Phe His Val Tyr Pro Glu Leu
130      135      140
Pro Lys Pro Ser Ile Ser Ser Asn Asn Ser Asn Pro Val Glu Asp Lys
145      150      155      160
Asp Ala Val Ala Phe Thr Cys Glu Pro Glu Thr Gln Asp Thr Thr Tyr
      165      170      175
Leu Trp Trp Ile Asn Asn Gln Ser Leu Pro Val Ser Pro Arg Leu Gln
      180      185      190
Leu Ser Asn Gly Asn Arg Thr Leu Thr Leu Leu Ser Val Thr Arg Asn
195      200      205
Asp Thr Gly Pro Tyr Glu Cys Glu Ile Gln Asn Pro Val Ser Ala Asn
210      215      220
Arg Ser Asp Pro Val Thr Leu Asn Val Thr Tyr Gly Pro Asp Thr Pro
225      230      235      240
Thr Ile Ser Pro Ser Asp Thr Tyr Tyr Arg Pro Gly Ala Asn Leu Ser
      245      250      255
Leu Ser Cys Tyr Ala Ala Ser Asn Pro Pro Ala Gln Tyr Ser Trp Leu
      260      265      270
Ile Asn Gly Thr Phe Gln Gln Ser Thr Gln Glu Leu Phe Ile Pro Asn
      275      280      285
Ile Thr Val Asn Asn Ser Gly Ser Tyr Thr Cys His Ala Asn Asn Ser
290      295      300
Val Thr Gly Cys Asn Arg Thr Thr Val Lys Thr Ile Ile Val Thr Glu
305      310      315      320
Leu Ser Pro Val Val Ala Lys Pro Gln Ile Lys Ala Ser Lys Thr Thr
      325      330      335
Val Thr Gly Asp Lys Asp Ser Val Asn Leu Thr Cys Ser Thr Asn Asp
      340      345      350

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761612000240SeqList

Thr	Gly	Ile	Ser	Ile	Arg	Trp	Phe	Phe	Lys	Asn	Gln	Ser	Leu	Pro	Ser
	355						360					365			
Ser	Glu	Arg	Met	Lys	Leu	Ser	Gln	Gly	Asn	Thr	Thr	Leu	Ser	Ile	Asn
	370					375					380				
Pro	Val	Lys	Arg	Glu	Asp	Ala	Gly	Thr	Tyr	Trp	Cys	Glu	Val	Phe	Asn
385					390					395					400
Pro	Ile	Ser	Lys	Asn	Gln	Ser	Asp	Pro	Ile	Met	Leu	Asn	Val	Asn	Tyr
			405					410						415	
Asn	Ala	Leu	Pro	Gln	Glu	Asn	Gly	Leu	Ser	Pro	Gly	Ala	Ile	Ala	Gly
		420						425					430		
Ile	Val	Ile	Gly	Val	Val	Ala	Leu	Val	Ala	Leu	Ile	Ala	Val	Ala	Leu
	435						440					445			
Ala	Cys	Phe	Leu	His	Phe	Gly	Lys	Thr	Gly	Arg	Ala	Ser	Asp	Gln	Arg
	450					455				460					
Asp	Leu	Thr	Glu	His	Lys	Pro	Ser	Val	Ser	Asn	His	Thr	Gln	Asp	His
465				470						475				480	
Ser	Asn	Asp	Pro	Pro	Asn	Lys	Met	Asn	Glu	Val	Thr	Tyr	Ser	Thr	Leu
			485					490						495	
Asn	Phe	Glu	Ala	Gln	Gln	Pro	Thr	Gln	Pro	Thr	Ser	Ala	Ser	Pro	Ser
		500						505					510		
Leu	Thr	Ala	Thr	Glu	Ile	Ile	Tyr	Ser	Glu	Val	Lys	Lys	Gln		
	515						520					525			

<210> 19
 <211> 244
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> TIGIT

<400> 19

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Pro	Leu	Ala	Ser	Gly	Met	Met	Thr	Gly	Thr	Ile	Glu	Thr	Thr	Gly
		20					25					30		Asn
Ile	Ser	Ala	Glu	Lys	Gly	Gly	Ser	Ile	Ile	Leu	Gln	Cys	His	Leu
	35					40					45			Ser
Ser	Thr	Thr	Ala	Gln	Val	Thr	Gln	Val	Asn	Trp	Glu	Gln	Gln	Asp
	50				55					60				Gln
Leu	Leu	Ala	Ile	Cys	Asn	Ala	Asp	Leu	Gly	Trp	His	Ile	Ser	Pro
65				70					75					80
Phe	Lys	Asp	Arg	Val	Ala	Pro	Gly	Pro	Gly	Leu	Gly	Leu	Thr	Leu
			85				90						95	Gln
Ser	Leu	Thr	Val	Asn	Asp	Thr	Gly	Glu	Tyr	Phe	Cys	Ile	Tyr	His
			100				105						110	Thr

761612000240SeqList

Tyr Pro Asp Gly Thr Tyr Thr Gly Arg Ile Phe Leu Glu Val Leu Glu
115 120 125
Ser Ser Val Ala Glu His Gly Ala Arg Phe Gln Ile Pro Leu Leu Gly
130 135 140
Ala Met Ala Ala Thr Leu Val Val Ile Cys Thr Ala Val Ile Val Val
145 150 155 160
Val Ala Leu Thr Arg Lys Lys Lys Ala Leu Arg Ile His Ser Val Glu
165 170 175
Gly Asp Leu Arg Arg Lys Ser Ala Gly Gln Glu Glu Trp Ser Pro Ser
180 185 190
Ala Pro Ser Pro Pro Gly Ser Cys Val Gln Ala Glu Ala Ala Pro Ala
195 200 205
Gly Leu Cys Gly Glu Gln Arg Gly Glu Asp Cys Ala Glu Leu His Asp
210 215 220
Tyr Phe Asn Val Leu Ser Tyr Arg Ser Leu Gly Asn Cys Ser Phe Phe
225 230 235 240
Thr Glu Thr Gly

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<212> PRT
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20 25 30
Ala Pro Thr Gln Val Pro Gly Phe Leu Gly Asp Ser Val Thr Leu Pro
35 40 45
Cys Tyr Leu Gln Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu
50 55 60
Thr Trp Ala Arg His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln
65 70 75 80
Thr Gln Gly Pro Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala
85 90 95
Ala Arg Leu Gly Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Phe Gly
100 105 110
Leu Arg Val Glu Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe
115 120 125
Pro Gln Gly Ser Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys
130 135 140

761612000240SeqList

Pro	Gln	Asn	Thr	Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro
145					150					155					160
Val	Pro	Met	Ala	Arg	Cys	Val	Ser	Thr	Gly	Gly	Arg	Pro	Pro	Ala	Gln
				165					170						175
Ile	Thr	Trp	His	Ser	Asp	Leu	Gly	Gly	Met	Pro	Asn	Thr	Ser	Gln	Val
			180					185						190	
Pro	Gly	Phe	Leu	Ser	Gly	Thr	Val	Thr	Val	Thr	Ser	Leu	Trp	Ile	Leu
	195					200						205			
Val	Pro	Ser	Ser	Gln	Val	Asp	Gly	Lys	Asn	Val	Thr	Cys	Lys	Val	Glu
	210					215					220				
His	Glu	Ser	Phe	Glu	Lys	Pro	Gln	Leu	Leu	Thr	Val	Asn	Leu	Thr	Val
225					230					235					240
Tyr	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asn	Asn	Trp	Tyr
				245					250					255	
Leu	Gly	Gln	Asn	Glu	Ala	Thr	Leu	Thr	Cys	Asp	Ala	Arg	Ser	Asn	Pro
			260					265					270		
Glu	Pro	Thr	Gly	Tyr	Asn	Trp	Ser	Thr	Thr	Met	Gly	Pro	Leu	Pro	Pro
		275					280					285			
Phe	Ala	Val	Ala	Gln	Gly	Ala	Gln	Leu	Leu	Ile	Arg	Pro	Val	Asp	Lys
	290				295						300				
Pro	Ile	Asn	Thr	Thr	Leu	Ile	Cys	Asn	Val	Thr	Asn	Ala	Leu	Gly	Ala
305					310					315					320
Arg	Gln	Ala	Glu	Leu	Thr	Val	Gln	Val	Lys	Glu	Gly	Pro	Pro	Ser	Glu
				325					330					335	
His	Ser	Gly	Ile	Ser	Arg	Asn	Ala	Ile	Ile	Phe	Leu	Val	Leu	Gly	Ile
			340					345					350		
Leu	Val	Phe	Leu	Ile	Leu	Leu	Gly	Ile	Gly	Ile	Tyr	Phe	Tyr	Trp	Ser
		355					360					365			
Lys	Cys	Ser	Arg	Glu	Val	Leu	Trp	His	Cys	His	Leu	Cys	Pro	Ser	Ser
	370					375					380				
Thr	Glu	His	Ala	Ser	Ala	Ser	Ala	Asn	Gly	His	Val	Ser	Tyr	Ser	Ala
385					390					395					400
Val	Ser	Arg	Glu	Asn	Ser	Ser	Ser	Gln	Asp	Pro	Gln	Thr	Glu	Gly	Thr
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Arg

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 <212> PRT
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<220>
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 <223> PVRL2(CD112)

<400> 21

761612000240SeqList

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Leu	Leu	Trp	Pro	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Glu	Thr	Gly	Ala	Gln
			20					25					30		
Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly	Gly
		35					40					45			
Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu	Tyr
	50					55					60				
Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His	Gln
65					70					75				80	
Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser	Pro
				85					90					95	
Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser	Thr
		100						105					110		
Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu	His
		115					120					125			
Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Ala	Thr
	130					135					140				
Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile	Ala
145					150					155					160
Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln	Asp
			165						170					175	
Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro	Ala
			180					185					190		
Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr	Gln
		195					200					205			
Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe	Thr
	210					215					220				
Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys	Val
225					230					235					240
Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu	Ser
				245					250					255	
Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn	Trp
			260					265					270		
Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser	Asn
	275					280						285			
Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe	Pro
	290					295					300				
Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val	Asp
305					310					315					320
Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val	Gly
			325						330					335	
Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn	Thr
			340					345					350		
Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly	Ile	Ile	Gly	Gly	Ile	Ile	Ala	Ala
		355					360					365			
Ile	Ile	Ala	Thr	Ala	Val	Ala	Ala	Thr	Gly	Ile	Leu	Ile	Cys	Arg	Gln
	370					375					380				

761612000240SeqList

Gln Arg Lys Glu Gln Thr Leu Gln Gly Ala Glu Glu Asp Glu Asp Leu
 385 390 395 400
 Glu Gly Pro Pro Ser Tyr Lys Pro Pro Thr Pro Lys Ala Lys Leu Glu
 405 410 415
 Ala Gln Glu Met Pro Ser Gln Leu Phe Thr Leu Gly Ala Ser Glu His
 420 425 430
 Ser Pro Leu Lys Thr Pro Tyr Phe Asp Ala Gly Ala Ser Cys Thr Glu
 435 440 445
 Gln Glu Met Pro Arg Tyr His Glu Leu Pro Thr Leu Glu Glu Arg Ser
 450 455 460
 Gly Pro Leu His Pro Gly Ala Thr Ser Leu Gly Ser Pro Ile Pro Val
 465 470 475 480
 Pro Pro Gly Pro Pro Ala Val Glu Asp Val Ser Leu Asp Leu Glu Asp
 485 490 495
 Glu Glu Gly Glu Glu Glu Glu Glu Tyr Leu Asp Lys Ile Asn Pro Ile
 500 505 510
 Tyr Asp Ala Leu Ser Tyr Ser Ser Pro Ser Asp Ser Tyr Gln Gly Lys
 515 520 525
 Gly Phe Val Met Ser Arg Ala Met Tyr Val
 530 535

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<220>
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 <223> CD226

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 Leu Cys Glu Glu Val Leu Trp His Thr Ser Val Pro Phe Ala Glu Asn
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 Met Ser Leu Glu Cys Val Tyr Pro Ser Met Gly Ile Leu Thr Gln Val
 35 40 45
 Glu Trp Phe Lys Ile Gly Thr Gln Gln Asp Ser Ile Ala Ile Phe Ser
 50 55 60
 Pro Thr His Gly Met Val Ile Arg Lys Pro Tyr Ala Glu Arg Val Tyr
 65 70 75 80
 Phe Leu Asn Ser Thr Met Ala Ser Asn Asn Met Thr Leu Phe Phe Arg
 85 90 95
 Asn Ala Ser Glu Asp Asp Val Gly Tyr Tyr Ser Cys Ser Leu Tyr Thr
 100 105 110
 Tyr Pro Gln Gly Thr Trp Gln Lys Val Ile Gln Val Val Gln Ser Asp
 115 120 125

761612000240SeqList

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Ser Phe Glu Ala Ala Val Pro Ser Asn Ser His Ile Val Ser Glu Pro
 130          135          140
Gly Lys Asn Val Thr Leu Thr Cys Gln Pro Gln Met Thr Trp Pro Val
145          150          155          160
Gln Ala Val Arg Trp Glu Lys Ile Gln Pro Arg Gln Ile Asp Leu Leu
          165          170          175
Thr Tyr Cys Asn Leu Val His Gly Arg Asn Phe Thr Ser Lys Phe Pro
          180          185          190
Arg Gln Ile Val Ser Asn Cys Ser His Gly Arg Trp Ser Val Ile Val
          195          200          205
Ile Pro Asp Val Thr Val Ser Asp Ser Gly Leu Tyr Arg Cys Tyr Leu
          210          215          220
Gln Ala Ser Ala Gly Glu Asn Glu Thr Phe Val Met Arg Leu Thr Val
225          230          235          240
Ala Glu Gly Lys Thr Asp Asn Gln Tyr Thr Leu Phe Val Ala Gly Gly
          245          250          255
Thr Val Leu Leu Leu Leu Phe Val Ile Ser Ile Thr Thr Ile Ile Val
          260          265          270
Ile Phe Leu Asn Arg Arg Arg Arg Arg Glu Arg Arg Asp Leu Phe Thr
          275          280          285
Glu Ser Trp Asp Thr Gln Lys Ala Pro Asn Asn Tyr Arg Ser Pro Ile
          290          295          300
Ser Thr Ser Gln Pro Thr Asn Gln Ser Met Asp Asp Thr Arg Glu Asp
305          310          315          320
Ile Tyr Val Asn Tyr Pro Thr Phe Ser Arg Arg Pro Lys Thr Arg Val
          325          330          335

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 <213> Homo sapiens

<220>
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 <223> CD2

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Val Ser Ser Lys Gly Ala Val Ser Lys Glu Ile Thr Asn Ala Leu Glu
          20          25          30
Thr Trp Gly Ala Leu Gly Gln Asp Ile Asn Leu Asp Ile Pro Ser Phe
          35          40          45
Gln Met Ser Asp Asp Ile Asp Asp Ile Lys Trp Glu Lys Thr Ser Asp
          50          55          60
Lys Lys Lys Ile Ala Gln Phe Arg Lys Glu Lys Glu Thr Phe Lys Glu
65          70          75          80

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761612000240SeqList

Lys Asp Thr Tyr Lys Leu Phe Lys Asn Gly Thr Leu Lys Ile Lys His
 85 90 95
 Leu Lys Thr Asp Asp Gln Asp Ile Tyr Lys Val Ser Ile Tyr Asp Thr
 100 105 110
 Lys Gly Lys Asn Val Leu Glu Lys Ile Phe Asp Leu Lys Ile Gln Glu
 115 120 125
 Arg Val Ser Lys Pro Lys Ile Ser Trp Thr Cys Ile Asn Thr Thr Leu
 130 135 140
 Thr Cys Glu Val Met Asn Gly Thr Asp Pro Glu Leu Asn Leu Tyr Gln
 145 150 155 160
 Asp Gly Lys His Leu Lys Leu Ser Gln Arg Val Ile Thr His Lys Trp
 165 170 175
 Thr Thr Ser Leu Ser Ala Lys Phe Lys Cys Thr Ala Gly Asn Lys Val
 180 185 190
 Ser Lys Glu Ser Ser Val Glu Pro Val Ser Cys Pro Glu Lys Gly Leu
 195 200 205
 Asp Ile Tyr Leu Ile Ile Gly Ile Cys Gly Gly Gly Ser Leu Leu Met
 210 215 220
 Val Phe Val Ala Leu Leu Val Phe Tyr Ile Thr Lys Arg Lys Lys Gln
 225 230 235 240
 Arg Ser Arg Arg Asn Asp Glu Glu Leu Glu Thr Arg Ala His Arg Val
 245 250 255
 Ala Thr Glu Glu Arg Gly Arg Lys Pro His Gln Ile Pro Ala Ser Thr
 260 265 270
 Pro Gln Asn Pro Ala Thr Ser Gln His Pro Pro Pro Pro Pro Gly His
 275 280 285
 Arg Ser Gln Ala Pro Ser His Arg Pro Pro Pro Pro Gly His Arg Val
 290 295 300
 Gln His Gln Pro Gln Lys Arg Pro Pro Ala Pro Ser Gly Thr Gln Val
 305 310 315 320
 His Gln Gln Lys Gly Pro Pro Leu Pro Arg Pro Arg Val Gln Pro Lys
 325 330 335
 Pro Pro His Gly Ala Ala Glu Asn Ser Leu Ser Pro Ser Ser Asn
 340 345 350

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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> CD160

<400> 24
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761612000240SeqList

Ala Ile Val Asp Ile Gln Ser Gly Gly Cys Ile Asn Ile Thr Ser Ser
 20 25 30
 Ala Ser Gln Glu Gly Thr Arg Leu Asn Leu Ile Cys Thr Val Trp His
 35 40 45
 Lys Lys Glu Glu Ala Glu Gly Phe Val Val Phe Leu Cys Lys Asp Arg
 50 55 60
 Ser Gly Asp Cys Ser Pro Glu Thr Ser Leu Lys Gln Leu Arg Leu Lys
 65 70 75 80
 Arg Asp Pro Gly Ile Asp Gly Val Gly Glu Ile Ser Ser Gln Leu Met
 85 90 95
 Phe Thr Ile Ser Gln Val Thr Pro Leu His Ser Gly Thr Tyr Gln Cys
 100 105 110
 Cys Ala Arg Ser Gln Lys Ser Gly Ile Arg Leu Gln Gly His Phe Phe
 115 120 125
 Ser Ile Leu Phe Thr Glu Thr Gly Asn Tyr Thr Val Thr Gly Leu Lys
 130 135 140
 Gln Arg Gln His Leu Glu Phe Ser His Asn Glu Gly Thr Leu Ser Ser
 145 150 155 160
 Gly Phe Leu Gln Glu Lys Val Trp Val Met Leu Val Thr Ser Leu Val
 165 170 175
 Ala Leu Gln Ala
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<220>
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 <223> CD200

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 Ser Leu Val Trp Val Met Ala Ala Val Val Leu Cys Thr Ala Gln Val
 20 25 30
 Gln Val Val Thr Gln Asp Glu Arg Glu Gln Leu Tyr Thr Pro Ala Ser
 35 40 45
 Leu Lys Cys Ser Leu Gln Asn Ala Gln Glu Ala Leu Ile Val Thr Trp
 50 55 60
 Gln Lys Lys Lys Ala Val Ser Pro Glu Asn Met Val Thr Phe Ser Glu
 65 70 75 80
 Asn His Gly Val Val Ile Gln Pro Ala Tyr Lys Asp Lys Ile Asn Ile
 85 90 95
 Thr Gln Leu Gly Leu Gln Asn Ser Thr Ile Thr Phe Trp Asn Ile Thr
 100 105 110

761612000240SeqList

Leu Glu Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Thr Phe Gly Phe
 115 120 125
 Gly Lys Ile Ser Gly Thr Ala Cys Leu Thr Val Tyr Val Gln Pro Ile
 130 135 140
 Val Ser Leu His Tyr Lys Phe Ser Glu Asp His Leu Asn Ile Thr Cys
 145 150 155 160
 Ser Ala Thr Ala Arg Pro Ala Pro Met Val Phe Trp Lys Val Pro Arg
 165 170 175
 Ser Gly Ile Glu Asn Ser Thr Val Thr Leu Ser His Pro Asn Gly Thr
 180 185 190
 Thr Ser Val Thr Ser Ile Leu His Ile Lys Asp Pro Lys Asn Gln Val
 195 200 205
 Gly Lys Glu Val Ile Cys Gln Val Leu His Leu Gly Thr Val Thr Asp
 210 215 220
 Phe Lys Gln Thr Val Asn Lys Gly Tyr Trp Phe Ser Val Pro Leu Leu
 225 230 235 240
 Leu Ser Ile Val Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu
 245 250 255
 Leu Tyr Trp Lys Arg His Arg Asn Gln Asp Arg Gly Glu Leu Ser Gln
 260 265 270
 Gly Val Gln Lys Met Thr
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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> CD200R1(CD200R)

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 1 5 10 15
 Thr Ile Phe Leu Val Ala Ala Ser Ser Ser Leu Cys Met Asp Glu Lys
 20 25 30
 Gln Ile Thr Gln Asn Tyr Ser Lys Val Leu Ala Glu Val Asn Thr Ser
 35 40 45
 Trp Pro Val Lys Met Ala Thr Asn Ala Val Leu Cys Cys Pro Pro Ile
 50 55 60
 Ala Leu Arg Asn Leu Ile Ile Ile Thr Trp Glu Ile Ile Leu Arg Gly
 65 70 75 80
 Gln Pro Ser Cys Thr Lys Ala Tyr Arg Lys Glu Thr Asn Glu Thr Lys
 85 90 95
 Glu Thr Asn Cys Thr Asp Glu Arg Ile Thr Trp Val Ser Arg Pro Asp
 100 105 110

761612000240SeqList

Gln	Asn	Ser	Asp	Leu	Gln	Ile	Arg	Pro	Val	Ala	Ile	Thr	His	Asp	Gly
	115						120					125			
Tyr	Tyr	Arg	Cys	Ile	Met	Val	Thr	Pro	Asp	Gly	Asn	Phe	His	Arg	Gly
	130					135					140				
Tyr	His	Leu	Gln	Val	Leu	Val	Thr	Pro	Glu	Val	Thr	Leu	Phe	Gln	Asn
145					150					155					160
Arg	Asn	Arg	Thr	Ala	Val	Cys	Lys	Ala	Val	Ala	Gly	Lys	Pro	Ala	Ala
				165					170					175	
Gln	Ile	Ser	Trp	Ile	Pro	Glu	Gly	Asp	Cys	Ala	Thr	Lys	Gln	Glu	Tyr
		180						185					190		
Trp	Ser	Asn	Gly	Thr	Val	Thr	Val	Lys	Ser	Thr	Cys	His	Trp	Glu	Val
		195					200					205			
His	Asn	Val	Ser	Thr	Val	Thr	Cys	His	Val	Ser	His	Leu	Thr	Gly	Asn
	210					215					220				
Lys	Ser	Leu	Tyr	Ile	Glu	Leu	Leu	Pro	Val	Pro	Gly	Ala	Lys	Lys	Ser
225					230					235					240
Ala	Lys	Leu	Tyr	Ile	Pro	Tyr	Ile	Ile	Leu	Thr	Ile	Ile	Ile	Leu	Thr
				245					250					255	
Ile	Val	Gly	Phe	Ile	Trp	Leu	Leu	Lys	Val	Asn	Gly	Cys	Arg	Lys	Tyr
		260						265					270		
Lys	Leu	Asn	Lys	Thr	Glu	Ser	Thr	Pro	Val	Val	Glu	Glu	Asp	Glu	Met
	275						280					285			
Gln	Pro	Tyr	Ala	Ser	Tyr	Thr	Glu	Lys	Asn	Asn	Pro	Leu	Tyr	Asp	Thr
	290					295					300				
Thr	Asn	Lys	Val	Lys	Ala	Ser	Glu	Ala	Leu	Gln	Ser	Glu	Val	Asp	Thr
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Asp	Leu	His	Thr	Leu											
				325											

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 <212> PRT
 <213> Homo sapiens

<220>
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 <223> NC R3 (NKp30)

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 Cys Ala Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly
 20 25 30
 Ser Ser Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu
 35 40 45
 Ala Ile Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys
 50 55 60

761612000240SeqList

Glu	Val	Arg	Asn	Gly	Thr	Pro	Glu	Phe	Arg	Gly	Arg	Leu	Ala	Pro	Leu
65					70					75					80
Ala	Ser	Ser	Arg	Phe	Leu	His	Asp	His	Gln	Ala	Glu	Leu	His	Ile	Arg
				85					90					95	
Asp	Val	Arg	Gly	His	Asp	Ala	Ser	Ile	Tyr	Val	Cys	Arg	Val	Glu	Val
			100					105					110		
Leu	Gly	Leu	Gly	Val	Gly	Thr	Gly	Asn	Gly	Thr	Arg	Leu	Val	Val	Glu
		115					120					125			
Lys	Glu	His	Pro	Gln	Leu	Gly	Ala	Gly	Thr	Val	Leu	Leu	Leu	Arg	Ala
		130				135					140				
Gly	Phe	Tyr	Ala	Val	Ser	Phe	Leu	Ser	Val	Ala	Val	Gly	Ser	Thr	Val
145					150					155					160
Tyr	Tyr	Gln	Gly	Lys	Cys	Leu	Thr	Trp	Lys	Gly	Pro	Arg	Arg	Gln	Leu
				165					170					175	
Pro	Ala	Val	Val	Pro	Ala	Pro	Leu	Pro	Pro	Pro	Cys	Gly	Ser	Ser	Ala
			180					185					190		
His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Gly							
		195					200								

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 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD80(B7-1) ECD

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
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Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35				40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50				55					60					
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65				70					75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115				120					125				
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
		130				135					140				

761612000240SeqList

Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

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 <212> PRT
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<220>
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 <223> CD86(B7-2) ECD

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 Cys Gln Phe Ala Asn Ser Gln Asn Gln Ser Leu Ser Glu Leu Val Val
 20 25 30
 Phe Trp Gln Asp Gln Glu Asn Leu Val Leu Asn Glu Val Tyr Leu Gly
 35 40 45
 Lys Glu Lys Phe Asp Ser Val His Ser Lys Tyr Met Gly Arg Thr Ser
 50 55 60
 Phe Asp Ser Asp Ser Trp Thr Leu Arg Leu His Asn Leu Gln Ile Lys
 65 70 75 80
 Asp Lys Gly Leu Tyr Gln Cys Ile Ile His His Lys Lys Pro Thr Gly
 85 90 95
 Met Ile Arg Ile His Gln Met Asn Ser Glu Leu Ser Val Leu Ala Asn
 100 105 110
 Phe Ser Gln Pro Glu Ile Val Pro Ile Ser Asn Ile Thr Glu Asn Val
 115 120 125
 Tyr Ile Asn Leu Thr Cys Ser Ser Ile His Gly Tyr Pro Glu Pro Lys
 130 135 140
 Lys Met Ser Val Leu Leu Arg Thr Lys Asn Ser Thr Ile Glu Tyr Asp
 145 150 155 160
 Gly Val Met Gln Lys Ser Gln Asp Asn Val Thr Glu Leu Tyr Asp Val
 165 170 175
 Ser Ile Ser Leu Ser Val Ser Phe Pro Asp Val Thr Ser Asn Met Thr
 180 185 190
 Ile Phe Cys Ile Leu Glu Thr Asp Lys Thr Arg Leu Leu Ser Ser Pro
 195 200 205
 Phe Ser Ile Glu Leu Glu Asp Pro Gln Pro Pro Pro Asp His Ile Pro
 210 215 220

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 <213> Homo sapiens

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 <223> CD274 (PD-L1, B7-H1) ECD

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 Asn Met Thr Ile Glu Cys Lys Phe Pro Val Glu Lys Gln Leu Asp Leu
 20 25 30
 Ala Ala Leu Ile Val Tyr Trp Glu Met Glu Asp Lys Asn Ile Ile Gln
 35 40 45
 Phe Val His Gly Glu Glu Asp Leu Lys Val Gln His Ser Ser Tyr Arg
 50 55 60
 Gln Arg Ala Arg Leu Leu Lys Asp Gln Leu Ser Leu Gly Asn Ala Ala
 65 70 75 80
 Leu Gln Ile Thr Asp Val Lys Leu Gln Asp Ala Gly Val Tyr Arg Cys
 85 90 95
 Met Ile Ser Tyr Gly Gly Ala Asp Tyr Lys Arg Ile Thr Val Lys Val
 100 105 110
 Asn Ala Pro Tyr Asn Lys Ile Asn Gln Arg Ile Leu Val Val Asp Pro
 115 120 125
 Val Thr Ser Glu His Glu Leu Thr Cys Gln Ala Glu Gly Tyr Pro Lys
 130 135 140
 Ala Glu Val Ile Trp Thr Ser Ser Asp His Gln Val Leu Ser Gly Lys
 145 150 155 160
 Thr Thr Thr Thr Asn Ser Lys Arg Glu Glu Lys Leu Phe Asn Val Thr
 165 170 175
 Ser Thr Leu Arg Ile Asn Thr Thr Thr Asn Glu Ile Phe Tyr Cys Thr
 180 185 190
 Phe Arg Arg Leu Asp Pro Glu Glu Asn His Thr Ala Glu Leu Val Ile
 195 200 205
 Pro Glu Leu Pro Leu Ala His Pro Pro Asn Glu Arg
 210 215 220

<210> 31
 <211> 201
 <212> PRT
 <213> Homo sapiens

<220>

761612000240SeqList

<221> MISC_FEATURE

<223> PDCD1LG2(PD-L2, CD273) ECD

<400> 31

```

Leu Phe Thr Val Thr Val Pro Lys Glu Leu Tyr Ile Ile Glu His Gly
1      5      10      15
Ser Asn Val Thr Leu Glu Cys Asn Phe Asp Thr Gly Ser His Val Asn
      20      25      30
Leu Gly Ala Ile Thr Ala Ser Leu Gln Lys Val Glu Asn Asp Thr Ser
      35      40      45
Pro His Arg Glu Arg Ala Thr Leu Leu Glu Glu Gln Leu Pro Leu Gly
      50      55      60
Lys Ala Ser Phe His Ile Pro Gln Val Gln Val Arg Asp Glu Gly Gln
65      70      75      80
Tyr Gln Cys Ile Ile Ile Tyr Gly Val Ala Trp Asp Tyr Lys Tyr Leu
      85      90      95
Thr Leu Lys Val Lys Ala Ser Tyr Arg Lys Ile Asn Thr His Ile Leu
      100      105      110
Lys Val Pro Glu Thr Asp Glu Val Glu Leu Thr Cys Gln Ala Thr Gly
      115      120      125
Tyr Pro Leu Ala Glu Val Ser Trp Pro Asn Val Ser Val Pro Ala Asn
      130      135      140
Thr Ser His Ser Arg Thr Pro Glu Gly Leu Tyr Gln Val Thr Ser Val
145      150      155      160
Leu Arg Leu Lys Pro Pro Pro Gly Arg Asn Phe Ser Cys Val Phe Trp
      165      170      175
Asn Thr His Val Arg Glu Leu Thr Leu Ala Ser Ile Asp Leu Gln Ser
      180      185      190
Gln Met Glu Pro Arg Thr His Pro Thr
      195      200

```

<210> 32

<211> 238

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> ICOSLG(B7RP1, CD275, ICOSL, B7-H2) ECD

<400> 32

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
      20      25      30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
      35      40      45

```

761612000240SeqList

```

Ile Pro Gln Asn Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
      85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100        105        110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115        120        125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130        135        140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145          150          155          160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
      165          170          175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180        185        190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195        200        205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210        215        220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225          230          235

```

<210> 33
 <211> 438
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD276(B7-H3) ECD

```

<400> 33
Leu Glu Val Gln Val Pro Glu Asp Pro Val Val Ala Leu Val Gly Thr
1      5      10      15
Asp Ala Thr Leu Cys Cys Ser Phe Ser Pro Glu Pro Gly Phe Ser Leu
      20      25      30
Ala Gln Leu Asn Leu Ile Trp Gln Leu Thr Asp Thr Lys Gln Leu Val
      35      40      45
His Ser Phe Ala Glu Gly Gln Asp Gln Gly Ser Ala Tyr Ala Asn Arg
50          55          60
Thr Ala Leu Phe Pro Asp Leu Leu Ala Gln Gly Asn Ala Ser Leu Arg
65          70          75          80
Leu Gln Arg Val Arg Val Ala Asp Glu Gly Ser Phe Thr Cys Phe Val
      85          90          95

```

761612000240SeqList

Ser Ile Arg Asp Phe Gly Ser Ala Ala Val Ser Leu Gln Val Ala Ala
 100 105 110
 Pro Tyr Ser Lys Pro Ser Met Thr Leu Glu Pro Asn Lys Asp Leu Arg
 115 120 125
 Pro Gly Asp Thr Val Thr Ile Thr Cys Ser Ser Tyr Gln Gly Tyr Pro
 130 135 140
 Glu Ala Glu Val Phe Trp Gln Asp Gly Gln Gly Val Pro Leu Thr Gly
 145 150 155 160
 Asn Val Thr Thr Ser Gln Met Ala Asn Glu Gln Gly Leu Phe Asp Val
 165 170 175
 His Ser Ile Leu Arg Val Val Leu Gly Ala Asn Gly Thr Tyr Ser Cys
 180 185 190
 Leu Val Arg Asn Pro Val Leu Gln Gln Asp Ala His Ser Ser Val Thr
 195 200 205
 Ile Thr Pro Gln Arg Ser Pro Thr Gly Ala Val Glu Val Gln Val Pro
 210 215 220
 Glu Asp Pro Val Val Ala Leu Val Gly Thr Asp Ala Thr Leu Arg Cys
 225 230 235 240
 Ser Phe Ser Pro Glu Pro Gly Phe Ser Leu Ala Gln Leu Asn Leu Ile
 245 250 255
 Trp Gln Leu Thr Asp Thr Lys Gln Leu Val His Ser Phe Thr Glu Gly
 260 265 270
 Arg Asp Gln Gly Ser Ala Tyr Ala Asn Arg Thr Ala Leu Phe Pro Asp
 275 280 285
 Leu Leu Ala Gln Gly Asn Ala Ser Leu Arg Leu Gln Arg Val Arg Val
 290 295 300
 Ala Asp Glu Gly Ser Phe Thr Cys Phe Val Ser Ile Arg Asp Phe Gly
 305 310 315 320
 Ser Ala Ala Val Ser Leu Gln Val Ala Ala Pro Tyr Ser Lys Pro Ser
 325 330 335
 Met Thr Leu Glu Pro Asn Lys Asp Leu Arg Pro Gly Asp Thr Val Thr
 340 345 350
 Ile Thr Cys Ser Ser Tyr Arg Gly Tyr Pro Glu Ala Glu Val Phe Trp
 355 360 365
 Gln Asp Gly Gln Gly Val Pro Leu Thr Gly Asn Val Thr Thr Ser Gln
 370 375 380
 Met Ala Asn Glu Gln Gly Leu Phe Asp Val His Ser Val Leu Arg Val
 385 390 395 400
 Val Leu Gly Ala Asn Gly Thr Tyr Ser Cys Leu Val Arg Asn Pro Val
 405 410 415
 Leu Gln Gln Asp Ala His Gly Ser Val Thr Ile Thr Gly Gln Pro Met
 420 425 430
 Thr Phe Pro Pro Glu Ala
 435

<210> 34

<211> 235

761612000240SeqList

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> VTCN1(B7-H4) ECD

<400> 34

```

Leu Ile Ile Gly Phe Gly Ile Ser Gly Arg His Ser Ile Thr Val Thr
1      5      10      15
Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile Leu Ser Cys
      20      25      30
Thr Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile Val Ile Gln Trp Leu
      35      40      45
Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu Gly Lys Asp
      50      55      60
Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr Ala Val Phe
65      70      75      80
Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu Lys Asn Val
      85      90      95
Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile Thr Ser Lys
      100     105     110
Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala Phe Ser Met
      115     120     125
Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr Leu Arg Cys
      130     135     140
Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp Ala Ser Gln
145     150     155     160
Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser Asn Thr Ser Phe Glu
      165     170     175
Leu Asn Ser Glu Asn Val Thr Met Lys Val Val Ser Val Leu Tyr Asn
      180     185     190
Val Thr Ile Asn Asn Thr Tyr Ser Cys Met Ile Glu Asn Asp Ile Ala
      195     200     205
Lys Ala Thr Gly Asp Ile Lys Val Thr Glu Ser Glu Ile Lys Arg Arg
      210     215     220
Ser His Leu Gln Leu Leu Asn Ser Lys Ala Ser
225     230     235

```

<210> 35

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> CD28 ECD

761612000240SeqList

<400> 35

```

Asn Lys Ile Leu Val Lys Gln Ser Pro Met Leu Val Ala Tyr Asp Asn
1          5          10          15
Ala Val Asn Leu Ser Cys Lys Tyr Ser Tyr Asn Leu Phe Ser Arg Glu
          20          25          30
Phe Arg Ala Ser Leu His Lys Gly Leu Asp Ser Ala Val Glu Val Cys
          35          40          45
Val Val Tyr Gly Asn Tyr Ser Gln Gln Leu Gln Val Tyr Ser Lys Thr
          50          55          60
Gly Phe Asn Cys Asp Gly Lys Leu Gly Asn Glu Ser Val Thr Phe Tyr
65          70          75          80
Leu Gln Asn Leu Tyr Val Asn Gln Thr Asp Ile Tyr Phe Cys Lys Ile
          85          90          95
Glu Val Met Tyr Pro Pro Pro Tyr Leu Asp Asn Glu Lys Ser Asn Gly
          100          105          110
Thr Ile Ile His Val Lys Gly Lys His Leu Cys Pro Ser Pro Leu Phe
          115          120          125
Pro Gly Pro Ser Lys Pro
          130

```

<210> 36

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> CTLA4 ECD

<400> 36

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Lys Ala Met His Val Ala Gln Pro Ala Val Val Leu Ala Ser Ser Arg
1          5          10          15
Gly Ile Ala Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly Lys Ala Thr
          20          25          30
Glu Val Arg Val Thr Val Leu Arg Gln Ala Asp Ser Gln Val Thr Glu
          35          40          45
Val Cys Ala Ala Thr Tyr Met Met Gly Asn Glu Leu Thr Phe Leu Asp
          50          55          60
Asp Ser Ile Cys Thr Gly Thr Ser Ser Gly Asn Gln Val Asn Leu Thr
65          70          75          80
Ile Gln Gly Leu Arg Ala Met Asp Thr Gly Leu Tyr Ile Cys Lys Val
          85          90          95
Glu Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly Asn Gly Thr
          100          105          110
Gln Ile Tyr Val Ile Asp Pro Glu Pro Cys Pro Asp Ser Asp
          115          120          125

```

761612000240SeqList

<210> 37
 <211> 150
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> PDCD1(PD-1) ECD

<400> 37
 Pro Gly Trp Phe Leu Asp Ser Pro Asp Arg Pro Trp Asn Pro Pro Thr
 1 5 10 15
 Phe Ser Pro Ala Leu Leu Val Val Thr Glu Gly Asp Asn Ala Thr Phe
 20 25 30
 Thr Cys Ser Phe Ser Asn Thr Ser Glu Ser Phe Val Leu Asn Trp Tyr
 35 40 45
 Arg Met Ser Pro Ser Asn Gln Thr Asp Lys Leu Ala Ala Phe Pro Glu
 50 55 60
 Asp Arg Ser Gln Pro Gly Gln Asp Cys Arg Phe Arg Val Thr Gln Leu
 65 70 75 80
 Pro Asn Gly Arg Asp Phe His Met Ser Val Val Arg Ala Arg Arg Asn
 85 90 95
 Asp Ser Gly Thr Tyr Leu Cys Gly Ala Ile Ser Leu Ala Pro Lys Ala
 100 105 110
 Gln Ile Lys Glu Ser Leu Arg Ala Glu Leu Arg Val Thr Glu Arg Arg
 115 120 125
 Ala Glu Val Pro Thr Ala His Pro Ser Pro Ser Pro Arg Pro Ala Gly
 130 135 140
 Gln Phe Gln Thr Leu Val
 145 150

<210> 38
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> ICOS ECD

<400> 38
 Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile Phe His Asn Gly
 1 5 10 15
 Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val Gln Gln Phe Lys
 20 25 30

761612000240SeqList

Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp Leu Thr Lys Thr
 35 40 45
 Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu Lys Phe Cys His
 50 55 60
 Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu Tyr Asn Leu Asp
 65 70 75 80
 His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser Ile Phe Asp Pro
 85 90 95
 Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu His Ile Tyr Glu
 100 105 110
 Ser Gln Leu Cys Cys Gln Leu Lys
 115 120

<210> 39
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> BTLA(CD272) ECD

<400> 39
 Lys Glu Ser Cys Asp Val Gln Leu Tyr Ile Lys Arg Gln Ser Glu His
 1 5 10 15
 Ser Ile Leu Ala Gly Asp Pro Phe Glu Leu Glu Cys Pro Val Lys Tyr
 20 25 30
 Cys Ala Asn Arg Pro His Val Thr Trp Cys Lys Leu Asn Gly Thr Thr
 35 40 45
 Cys Val Lys Leu Glu Asp Arg Gln Thr Ser Trp Lys Glu Glu Lys Asn
 50 55 60
 Ile Ser Phe Phe Ile Leu His Phe Glu Pro Val Leu Pro Asn Asp Asn
 65 70 75 80
 Gly Ser Tyr Arg Cys Ser Ala Asn Phe Gln Ser Asn Leu Ile Glu Ser
 85 90 95
 His Ser Thr Thr Leu Tyr Val Thr Asp Val Lys Ser Ala Ser Glu Arg
 100 105 110
 Pro Ser Lys Asp Glu Met Ala Ser Arg Pro Trp Leu Leu Tyr Arg
 115 120 125

<210> 40
 <211> 371
 <212> PRT
 <213> Homo sapiens

<220>

761612000240SeqList

<221> MISC_FEATURE

<223> CD4 ECD

<400> 40

Lys Lys Val Val Leu Gly Lys Lys Gly Asp Thr Val Glu Leu Thr Cys
 1 5 10 15
 Thr Ala Ser Gln Lys Lys Ser Ile Gln Phe His Trp Lys Asn Ser Asn
 20 25 30
 Gln Ile Lys Ile Leu Gly Asn Gln Gly Ser Phe Leu Thr Lys Gly Pro
 35 40 45
 Ser Lys Leu Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp Asp Gln
 50 55 60
 Gly Asn Phe Pro Leu Ile Ile Lys Asn Leu Lys Ile Glu Asp Ser Asp
 65 70 75 80
 Thr Tyr Ile Cys Glu Val Glu Asp Gln Lys Glu Glu Val Gln Leu Leu
 85 90 95
 Val Phe Gly Leu Thr Ala Asn Ser Asp Thr His Leu Leu Gln Gly Gln
 100 105 110
 Ser Leu Thr Leu Thr Leu Glu Ser Pro Pro Gly Ser Ser Pro Ser Val
 115 120 125
 Gln Cys Arg Ser Pro Arg Gly Lys Asn Ile Gln Gly Gly Lys Thr Leu
 130 135 140
 Ser Val Ser Gln Leu Glu Leu Gln Asp Ser Gly Thr Trp Thr Cys Thr
 145 150 155 160
 Val Leu Gln Asn Gln Lys Lys Val Glu Phe Lys Ile Asp Ile Val Val
 165 170 175
 Leu Ala Phe Gln Lys Ala Ser Ser Ile Val Tyr Lys Lys Glu Gly Glu
 180 185 190
 Gln Val Glu Phe Ser Phe Pro Leu Ala Phe Thr Val Glu Lys Leu Thr
 195 200 205
 Gly Ser Gly Glu Leu Trp Trp Gln Ala Glu Arg Ala Ser Ser Ser Lys
 210 215 220
 Ser Trp Ile Thr Phe Asp Leu Lys Asn Lys Glu Val Ser Val Lys Arg
 225 230 235 240
 Val Thr Gln Asp Pro Lys Leu Gln Met Gly Lys Lys Leu Pro Leu His
 245 250 255
 Leu Thr Leu Pro Gln Ala Leu Pro Gln Tyr Ala Gly Ser Gly Asn Leu
 260 265 270
 Thr Leu Ala Leu Glu Ala Lys Thr Gly Lys Leu His Gln Glu Val Asn
 275 280 285
 Leu Val Val Met Arg Ala Thr Gln Leu Gln Lys Asn Leu Thr Cys Glu
 290 295 300
 Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu Ser Leu Lys Leu Glu
 305 310 315 320
 Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys Ala Val Trp Val Leu
 325 330 335
 Asn Pro Glu Ala Gly Met Trp Gln Cys Leu Leu Ser Asp Ser Gly Gln
 340 345 350

761612000240SeqList

Val Leu Leu Glu Ser Asn Ile Lys Val Leu Pro Thr Trp Ser Thr Pro
 355 360 365
 Val Gln Pro
 370

<210> 41
 <211> 161
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD8A(CD8-alpha) ECD

<400> 41
 Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly Glu
 1 5 10 15
 Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser Gly
 20 25 30
 Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr Phe
 35 40 45
 Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp
 50 55 60
 Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu Thr
 65 70 75 80
 Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser Ala
 85 90 95
 Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe Leu
 100 105 110
 Pro Ala Lys Pro Thr Thr Thr Pro Ala Pro Arg Pro Pro Thr Pro Ala
 115 120 125
 Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro Glu Ala Cys Arg
 130 135 140
 Pro Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu Asp Phe Ala Cys
 145 150 155 160
 Asp

<210> 42
 <211> 149
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD8B(CD8-beta) ECD

761612000240SeqList

<400> 42

Leu Gln Gln Thr Pro Ala Tyr Ile Lys Val Gln Thr Asn Lys Met Val
 1 5 10 15
 Met Leu Ser Cys Glu Ala Lys Ile Ser Leu Ser Asn Met Arg Ile Tyr
 20 25 30
 Trp Leu Arg Gln Arg Gln Ala Pro Ser Ser Asp Ser His His Glu Phe
 35 40 45
 Leu Ala Leu Trp Asp Ser Ala Lys Gly Thr Ile His Gly Glu Glu Val
 50 55 60
 Glu Gln Glu Lys Ile Ala Val Phe Arg Asp Ala Ser Arg Phe Ile Leu
 65 70 75 80
 Asn Leu Thr Ser Val Lys Pro Glu Asp Ser Gly Ile Tyr Phe Cys Met
 85 90 95
 Ile Val Gly Ser Pro Glu Leu Thr Phe Gly Lys Gly Thr Gln Leu Ser
 100 105 110
 Val Val Asp Phe Leu Pro Thr Thr Ala Gln Pro Thr Lys Lys Ser Thr
 115 120 125
 Leu Lys Lys Arg Val Cys Arg Leu Pro Arg Pro Glu Thr Gln Lys Gly
 130 135 140
 Pro Leu Cys Ser Pro
 145

<210> 43

<211> 422

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> LAG3 ECD

<400> 43

Val Pro Val Val Trp Ala Gln Glu Gly Ala Pro Ala Gln Leu Pro Cys
 1 5 10 15
 Ser Pro Thr Ile Pro Leu Gln Asp Leu Ser Leu Leu Arg Arg Ala Gly
 20 25 30
 Val Thr Trp Gln His Gln Pro Asp Ser Gly Pro Pro Ala Ala Ala Pro
 35 40 45
 Gly His Pro Leu Ala Pro Gly Pro His Pro Ala Ala Pro Ser Ser Trp
 50 55 60
 Gly Pro Arg Pro Arg Arg Tyr Thr Val Leu Ser Val Gly Pro Gly Gly
 65 70 75 80
 Leu Arg Ser Gly Arg Leu Pro Leu Gln Pro Arg Val Gln Leu Asp Glu
 85 90 95
 Arg Gly Arg Gln Arg Gly Asp Phe Ser Leu Trp Leu Arg Pro Ala Arg
 100 105 110

761612000240SeqList

Arg Ala Asp Ala Gly Glu Tyr Arg Ala Ala Val His Leu Arg Asp Arg
 115 120 125
 Ala Leu Ser Cys Arg Leu Arg Leu Arg Leu Gly Gln Ala Ser Met Thr
 130 135 140
 Ala Ser Pro Pro Gly Ser Leu Arg Ala Ser Asp Trp Val Ile Leu Asn
 145 150 155 160
 Cys Ser Phe Ser Arg Pro Asp Arg Pro Ala Ser Val His Trp Phe Arg
 165 170 175
 Asn Arg Gly Gln Gly Arg Val Pro Val Arg Glu Ser Pro His His His
 180 185 190
 Leu Ala Glu Ser Phe Leu Phe Leu Pro Gln Val Ser Pro Met Asp Ser
 195 200 205
 Gly Pro Trp Gly Cys Ile Leu Thr Tyr Arg Asp Gly Phe Asn Val Ser
 210 215 220
 Ile Met Tyr Asn Leu Thr Val Leu Gly Leu Glu Pro Pro Thr Pro Leu
 225 230 235 240
 Thr Val Tyr Ala Gly Ala Gly Ser Arg Val Gly Leu Pro Cys Arg Leu
 245 250 255
 Pro Ala Gly Val Gly Thr Arg Ser Phe Leu Thr Ala Lys Trp Thr Pro
 260 265 270
 Pro Gly Gly Gly Pro Asp Leu Leu Val Thr Gly Asp Asn Gly Asp Phe
 275 280 285
 Thr Leu Arg Leu Glu Asp Val Ser Gln Ala Gln Ala Gly Thr Tyr Thr
 290 295 300
 Cys His Ile His Leu Gln Glu Gln Gln Leu Asn Ala Thr Val Thr Leu
 305 310 315 320
 Ala Ile Ile Thr Val Thr Pro Lys Ser Phe Gly Ser Pro Gly Ser Leu
 325 330 335
 Gly Lys Leu Leu Cys Glu Val Thr Pro Val Ser Gly Gln Glu Arg Phe
 340 345 350
 Val Trp Ser Ser Leu Asp Thr Pro Ser Gln Arg Ser Phe Ser Gly Pro
 355 360 365
 Trp Leu Glu Ala Gln Glu Ala Gln Leu Leu Ser Gln Pro Trp Gln Cys
 370 375 380
 Gln Leu Tyr Gln Gly Glu Arg Leu Leu Gly Ala Ala Val Tyr Phe Thr
 385 390 395 400
 Glu Leu Ser Ser Pro Gly Ala Gln Arg Ser Gly Arg Ala Pro Gly Ala
 405 410 415
 Leu Pro Ala Gly His Leu
 420

<210> 44
 <211> 181
 <212> PRT
 <213> Homo sapiens

<220>

761612000240SeqList

<221> MISC_FEATURE
<223> HAVCR2(TIM-3) ECD

<400> 44

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Ser Glu Val Glu Tyr Arg Ala Glu Val Gly Gln Asn Ala Tyr Leu Pro
1      5      10      15
Cys Phe Tyr Thr Pro Ala Ala Pro Gly Asn Leu Val Pro Val Cys Trp
      20      25      30
Gly Lys Gly Ala Cys Pro Val Phe Glu Cys Gly Asn Val Val Leu Arg
      35      40      45
Thr Asp Glu Arg Asp Val Asn Tyr Trp Thr Ser Arg Tyr Trp Leu Asn
      50      55      60
Gly Asp Phe Arg Lys Gly Asp Val Ser Leu Thr Ile Glu Asn Val Thr
65      70      75      80
Leu Ala Asp Ser Gly Ile Tyr Cys Cys Arg Ile Gln Ile Pro Gly Ile
      85      90      95
Met Asn Asp Glu Lys Phe Asn Leu Lys Leu Val Ile Lys Pro Ala Lys
      100     105     110
Val Thr Pro Ala Pro Thr Arg Gln Arg Asp Phe Thr Ala Ala Phe Pro
      115     120     125
Arg Met Leu Thr Thr Arg Gly His Gly Pro Ala Glu Thr Gln Thr Leu
      130     135     140
Gly Ser Leu Pro Asp Ile Asn Leu Thr Gln Ile Ser Thr Leu Ala Asn
145     150     155     160
Glu Leu Arg Asp Ser Arg Leu Ala Asn Asp Leu Arg Asp Ser Gly Ala
      165     170     175
Thr Ile Arg Ile Gly
      180

```

<210> 45
<211> 394
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<223> CEACAM1 ECD

<400> 45

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Gln Leu Thr Thr Glu Ser Met Pro Phe Asn Val Ala Glu Gly Lys Glu
1      5      10      15
Val Leu Leu Leu Val His Asn Leu Pro Gln Gln Leu Phe Gly Tyr Ser
      20      25      30
Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Val Gly Tyr
      35      40      45
Ala Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Asn Ser Gly Arg
      50      55      60

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761612000240SeqList

Glu Thr Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Val Thr Gln
 65 70 75 80
 Asn Asp Thr Gly Phe Tyr Thr Leu Gln Val Ile Lys Ser Asp Leu Val
 85 90 95
 Asn Glu Glu Ala Thr Gly Gln Phe His Val Tyr Pro Glu Leu Pro Lys
 100 105 110
 Pro Ser Ile Ser Ser Asn Asn Ser Asn Pro Val Glu Asp Lys Asp Ala
 115 120 125
 Val Ala Phe Thr Cys Glu Pro Glu Thr Gln Asp Thr Thr Tyr Leu Trp
 130 135 140
 Trp Ile Asn Asn Gln Ser Leu Pro Val Ser Pro Arg Leu Gln Leu Ser
 145 150 155 160
 Asn Gly Asn Arg Thr Leu Thr Leu Leu Ser Val Thr Arg Asn Asp Thr
 165 170 175
 Gly Pro Tyr Glu Cys Glu Ile Gln Asn Pro Val Ser Ala Asn Arg Ser
 180 185 190
 Asp Pro Val Thr Leu Asn Val Thr Tyr Gly Pro Asp Thr Pro Thr Ile
 195 200 205
 Ser Pro Ser Asp Thr Tyr Tyr Arg Pro Gly Ala Asn Leu Ser Leu Ser
 210 215 220
 Cys Tyr Ala Ala Ser Asn Pro Pro Ala Gln Tyr Ser Trp Leu Ile Asn
 225 230 235 240
 Gly Thr Phe Gln Gln Ser Thr Gln Glu Leu Phe Ile Pro Asn Ile Thr
 245 250 255
 Val Asn Asn Ser Gly Ser Tyr Thr Cys His Ala Asn Asn Ser Val Thr
 260 265 270
 Gly Cys Asn Arg Thr Thr Val Lys Thr Ile Ile Val Thr Glu Leu Ser
 275 280 285
 Pro Val Val Ala Lys Pro Gln Ile Lys Ala Ser Lys Thr Thr Val Thr
 290 295 300
 Gly Asp Lys Asp Ser Val Asn Leu Thr Cys Ser Thr Asn Asp Thr Gly
 305 310 315 320
 Ile Ser Ile Arg Trp Phe Phe Lys Asn Gln Ser Leu Pro Ser Ser Glu
 325 330 335
 Arg Met Lys Leu Ser Gln Gly Asn Thr Thr Leu Ser Ile Asn Pro Val
 340 345 350
 Lys Arg Glu Asp Ala Gly Thr Tyr Trp Cys Glu Val Phe Asn Pro Ile
 355 360 365
 Ser Lys Asn Gln Ser Asp Pro Ile Met Leu Asn Val Asn Tyr Asn Ala
 370 375 380
 Leu Pro Gln Glu Asn Gly Leu Ser Pro Gly
 385 390

<210> 46
 <211> 120
 <212> PRT
 <213> Homo sapiens

761612000240SeqList

<220>

<221> MISC_FEATURE

<223> TIGIT ECD

<400> 46

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Met Met Thr Gly Thr Ile Glu Thr Thr Gly Asn Ile Ser Ala Glu Lys
1      5      10      15
Gly Gly Ser Ile Ile Leu Gln Cys His Leu Ser Ser Thr Thr Ala Gln
20     25     30
Val Thr Gln Val Asn Trp Glu Gln Gln Asp Gln Leu Leu Ala Ile Cys
35     40     45
Asn Ala Asp Leu Gly Trp His Ile Ser Pro Ser Phe Lys Asp Arg Val
50     55     60
Ala Pro Gly Pro Gly Leu Gly Leu Thr Leu Gln Ser Leu Thr Val Asn
65     70     75     80
Asp Thr Gly Glu Tyr Phe Cys Ile Tyr His Thr Tyr Pro Asp Gly Thr
85     90     95
Tyr Thr Gly Arg Ile Phe Leu Glu Val Leu Glu Ser Ser Val Ala Glu
100    105    110
His Gly Ala Arg Phe Gln Ile Pro
115    120

```

<210> 47

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> PVR(CD155) ECD

<400> 47

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Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
1      5      10      15
Val Pro Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
20     25     30
Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
35     40     45
His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
50     55     60
Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
65     70     75     80
Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu
85     90     95
Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
100    105    110

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761612000240SeqList

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Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
   115               120               125
Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
   130               135               140
Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
  145               150               155               160
Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
               165               170               175
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
   180               185               190
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
   195               200               205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
   210               215               220
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
  225               230               235               240
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
               245               250               255
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
   260               265               270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
   275               280               285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
   290               295               300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
  305               310               315               320
Ser Arg Asn

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<210> 48
 <211> 329
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> PVRL2(CD112) ECD

<400> 48
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60

761612000240SeqList

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Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65      70      75      80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
      85      90      95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
      100     105     110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
      115     120     125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
      130     135     140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145      150     155     160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
      165     170     175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
      180     185     190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
      195     200     205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
      210     215     220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225      230     235     240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
      245     250     255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
      260     265     270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
      275     280     285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
      290     295     300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305      310     315     320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
      325

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<210> 49
 <211> 236
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD226 ECD

<400> 49
 Glu Glu Val Leu Trp His Thr Ser Val Pro Phe Ala Glu Asn Met Ser
 1 5 10 15

761612000240SeqList

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Leu Glu Cys Val Tyr Pro Ser Met Gly Ile Leu Thr Gln Val Glu Trp
    20                25                30
Phe Lys Ile Gly Thr Gln Gln Asp Ser Ile Ala Ile Phe Ser Pro Thr
    35                40                45
His Gly Met Val Ile Arg Lys Pro Tyr Ala Glu Arg Val Tyr Phe Leu
    50                55                60
Asn Ser Thr Met Ala Ser Asn Asn Met Thr Leu Phe Phe Arg Asn Ala
    65                70                75                80
Ser Glu Asp Asp Val Gly Tyr Tyr Ser Cys Ser Leu Tyr Thr Tyr Pro
    85                90                95
Gln Gly Thr Trp Gln Lys Val Ile Gln Val Val Gln Ser Asp Ser Phe
    100               105               110
Glu Ala Ala Val Pro Ser Asn Ser His Ile Val Ser Glu Pro Gly Lys
    115               120               125
Asn Val Thr Leu Thr Cys Gln Pro Gln Met Thr Trp Pro Val Gln Ala
    130               135               140
Val Arg Trp Glu Lys Ile Gln Pro Arg Gln Ile Asp Leu Leu Thr Tyr
    145               150               155               160
Cys Asn Leu Val His Gly Arg Asn Phe Thr Ser Lys Phe Pro Arg Gln
    165               170               175
Ile Val Ser Asn Cys Ser His Gly Arg Trp Ser Val Ile Val Ile Pro
    180               185               190
Asp Val Thr Val Ser Asp Ser Gly Leu Tyr Arg Cys Tyr Leu Gln Ala
    195               200               205
Ser Ala Gly Glu Asn Glu Thr Phe Val Met Arg Leu Thr Val Ala Glu
    210               215               220
Gly Lys Thr Asp Asn Gln Tyr Thr Leu Phe Val Ala
    225               230               235

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<210> 50
 <211> 185
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD2 ECD

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<400> 50
Lys Glu Ile Thr Asn Ala Leu Glu Thr Trp Gly Ala Leu Gly Gln Asp
1      5      10      15
Ile Asn Leu Asp Ile Pro Ser Phe Gln Met Ser Asp Asp Ile Asp Asp
    20      25      30
Ile Lys Trp Glu Lys Thr Ser Asp Lys Lys Lys Ile Ala Gln Phe Arg
    35      40      45
Lys Glu Lys Glu Thr Phe Lys Glu Lys Asp Thr Tyr Lys Leu Phe Lys
    50      55      60

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761612000240SeqList

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Asn Gly Thr Leu Lys Ile Lys His Leu Lys Thr Asp Asp Gln Asp Ile
65          70          75          80
Tyr Lys Val Ser Ile Tyr Asp Thr Lys Gly Lys Asn Val Leu Glu Lys
          85          90          95
Ile Phe Asp Leu Lys Ile Gln Glu Arg Val Ser Lys Pro Lys Ile Ser
100        105        110
Trp Thr Cys Ile Asn Thr Thr Leu Thr Cys Glu Val Met Asn Gly Thr
115        120        125
Asp Pro Glu Leu Asn Leu Tyr Gln Asp Gly Lys His Leu Lys Leu Ser
130        135        140
Gln Arg Val Ile Thr His Lys Trp Thr Thr Ser Leu Ser Ala Lys Phe
145        150        155        160
Lys Cys Thr Ala Gly Asn Lys Val Ser Lys Glu Ser Ser Val Glu Pro
165        170        175
Val Ser Cys Pro Glu Lys Gly Leu Asp
180          185

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<210> 51
<211> 133
<212> PRT
<213> Homo sapiens

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<220>
<221> MISC_FEATURE
<223> CD160 ECD

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<400> 51
Ile Asn Ile Thr Ser Ser Ala Ser Gln Glu Gly Thr Arg Leu Asn Leu
1      5      10      15
Ile Cys Thr Val Trp His Lys Lys Glu Glu Ala Glu Gly Phe Val Val
20     25     30
Phe Leu Cys Lys Asp Arg Ser Gly Asp Cys Ser Pro Glu Thr Ser Leu
35     40     45
Lys Gln Leu Arg Leu Lys Arg Asp Pro Gly Ile Asp Gly Val Gly Glu
50     55     60
Ile Ser Ser Gln Leu Met Phe Thr Ile Ser Gln Val Thr Pro Leu His
65     70     75     80
Ser Gly Thr Tyr Gln Cys Cys Ala Arg Ser Gln Lys Ser Gly Ile Arg
85     90     95
Leu Gln Gly His Phe Phe Ser Ile Leu Phe Thr Glu Thr Gly Asn Tyr
100    105    110
Thr Val Thr Gly Leu Lys Gln Arg Gln His Leu Glu Phe Ser His Asn
115    120    125
Glu Gly Thr Leu Ser
130

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761612000240SeqList

<210> 52
 <211> 202
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD200 ECD

<400> 52
 Gln Val Gln Val Val Thr Gln Asp Glu Arg Glu Gln Leu Tyr Thr Pro
 1 5 10 15
 Ala Ser Leu Lys Cys Ser Leu Gln Asn Ala Gln Glu Ala Leu Ile Val
 20 25 30
 Thr Trp Gln Lys Lys Lys Ala Val Ser Pro Glu Asn Met Val Thr Phe
 35 40 45
 Ser Glu Asn His Gly Val Val Ile Gln Pro Ala Tyr Lys Asp Lys Ile
 50 55 60
 Asn Ile Thr Gln Leu Gly Leu Gln Asn Ser Thr Ile Thr Phe Trp Asn
 65 70 75 80
 Ile Thr Leu Glu Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Thr Phe
 85 90 95
 Gly Phe Gly Lys Ile Ser Gly Thr Ala Cys Leu Thr Val Tyr Val Gln
 100 105 110
 Pro Ile Val Ser Leu His Tyr Lys Phe Ser Glu Asp His Leu Asn Ile
 115 120 125
 Thr Cys Ser Ala Thr Ala Arg Pro Ala Pro Met Val Phe Trp Lys Val
 130 135 140
 Pro Arg Ser Gly Ile Glu Asn Ser Thr Val Thr Leu Ser His Pro Asn
 145 150 155 160
 Gly Thr Thr Ser Val Thr Ser Ile Leu His Ile Lys Asp Pro Lys Asn
 165 170 175
 Gln Val Gly Lys Glu Val Ile Cys Gln Val Leu His Leu Gly Thr Val
 180 185 190
 Thr Asp Phe Lys Gln Thr Val Asn Lys Gly
 195 200

<210> 53
 <211> 215
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD200R1(CD200R) ECD

<400> 53

761612000240SeqList

Met Asp Glu Lys Gln Ile Thr Gln Asn Tyr Ser Lys Val Leu Ala Glu
 1 5 10 15
 Val Asn Thr Ser Trp Pro Val Lys Met Ala Thr Asn Ala Val Leu Cys
 20 25 30
 Cys Pro Pro Ile Ala Leu Arg Asn Leu Ile Ile Ile Thr Trp Glu Ile
 35 40 45
 Ile Leu Arg Gly Gln Pro Ser Cys Thr Lys Ala Tyr Arg Lys Glu Thr
 50 55 60
 Asn Glu Thr Lys Glu Thr Asn Cys Thr Asp Glu Arg Ile Thr Trp Val
 65 70 75 80
 Ser Arg Pro Asp Gln Asn Ser Asp Leu Gln Ile Arg Pro Val Ala Ile
 85 90 95
 Thr His Asp Gly Tyr Tyr Arg Cys Ile Met Val Thr Pro Asp Gly Asn
 100 105 110
 Phe His Arg Gly Tyr His Leu Gln Val Leu Val Thr Pro Glu Val Thr
 115 120 125
 Leu Phe Gln Asn Arg Asn Arg Thr Ala Val Cys Lys Ala Val Ala Gly
 130 135 140
 Lys Pro Ala Ala Gln Ile Ser Trp Ile Pro Glu Gly Asp Cys Ala Thr
 145 150 155 160
 Lys Gln Glu Tyr Trp Ser Asn Gly Thr Val Thr Val Lys Ser Thr Cys
 165 170 175
 His Trp Glu Val His Asn Val Ser Thr Val Thr Cys His Val Ser His
 180 185 190
 Leu Thr Gly Asn Lys Ser Leu Tyr Ile Glu Leu Leu Pro Val Pro Gly
 195 200 205
 Ala Lys Lys Ser Ala Lys Leu
 210 215

<210> 54

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> NC R3 (NKp30) ECD

<400> 54

Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
 1 5 10 15
 Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
 20 25 30
 Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
 35 40 45
 Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser
 50 55 60

761612000240SeqList

Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
65 70 75 80
Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
85 90 95
Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu
100 105 110
His Pro Gln Leu Gly
115

<210> 55
<211> 208
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v1 ECD

<400> 55
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
100 105 110
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
115 120 125
Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
130 135 140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
145 150 155 160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
165 170 175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
180 185 190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
195 200 205

<210> 56

761612000240SeqList

<211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v2 ECD

<400> 56
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 57
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v3 ECD

<400> 57
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp

761612000240SeqList

20																25						30			
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn										
		35				40						45													
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn										
50						55				60															
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr										
65					70				75						80										
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His										
				85				90						95											
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser										
		100						105				110													
Ile	Ser	Asp	Phe	Glu	Ala	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys										
115						120				125															
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn										
130						135				140															
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu										
145					150				155						160										
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr										
				165				170						175											
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn										
		180						185				190													
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn										
195						200						205													

<210>	58
<211>	208
<212>	PRT
<213>	Artificial Sequence

<220>
<223> CD80 v4 ECD

<400>	58														
Val	Ile	His	Met	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75				80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		

761612000240SeqList

Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
			165					170						175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 59
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v5 ECD

<400> 59

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
	35					40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50				55					60					
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65				70					75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
		100					105						110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115				120						125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
			165					170						175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn

761612000240SeqList

195

200

205

<210> 60
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v6 ECD

<400> 60
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Leu Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ser Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Ser Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 61
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v7 ECD

761612000240SeqList

<400> 61

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Pro	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75						80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115				120						125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 62

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v8 ECD

<400> 62

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80

761612000240SeqList

Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Gly	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155				160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 63
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v9 ECD

<400> 63

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75				80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85						90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155				160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr

761612000240SeqList

				165					170				175			
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn	
			180						185				190			
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn	
		195					200					205				

<210> 64
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v10 ECD

<400> 64

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys	
1			5					10					15			
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp	
		20						25				30				
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn	
	35					40						45				
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn	
	50				55					60						
Leu	Ser	Ile	Val	Ile	Arg	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr	
65				70					75						80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His	
		85						90					95			
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser	
	100						105						110			
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys	
	115					120					125					
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn	
	130					135					140					
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu	
145				150						155					160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr	
		165						170					175			
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn	
		180						185					190			
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn	
		195					200					205				

<210> 65
 <211> 208
 <212> PRT
 <213> Artificial Sequence

761612000240SeqList

<220>

<223> CD80 v11 ECD

<400> 65

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75					80	
Ala	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Thr	Cys
		115					120					125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
		130				135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155				160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200					205			

<210> 66

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v12 ECD

<400> 66

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			

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Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50          55          60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65          70          75          80
Glu Cys Val Val Leu Lys Asn Glu Lys Asp Gly Phe Lys Arg Glu His
      85          90          95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
      100         105         110
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
      115         120         125
Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
      130         135         140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
145         150         155         160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
      165         170         175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
      180         185         190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
      195         200         205

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<210> 67

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v13 ECD

<400> 67

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Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1          5          10          15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Ser Arg Ile Tyr Trp
      20          25          30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
      35          40          45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
      50          55          60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65          70          75          80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Lys His
      85          90          95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
      100         105         110
Ile Ser Asp Phe Glu Ile Pro Ser Ser Asn Ile Arg Arg Ile Ile Cys
      115         120         125
Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn

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761612000240SeqList

130		135		140											
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145		150		155		160									
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
		165		170		175									
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
		180		185		190									
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195		200		205									

<210> 68

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v14 ECD

<400> 68

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5						10				15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25				30			
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Ser	Asn
	50				55					60					
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85					90				95			
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
	115					120				125					
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135				140					
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155				160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
			165					170					175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
		180						185				190			
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195				200						205			

761612000240SeqList

<210> 69
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v15 ECD

<400> 69
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Glu Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Thr Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Ser Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Asn Ala Ile Thr Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 70
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v16 ECD

<400> 70
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15

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Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Gly	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85						90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 71
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v17 ECD

<400> 71

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5						10				15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25				30			
Gln	Lys	Glu	Lys	Glu	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Ser	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85						90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser

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			100					105				110			
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
			165					170					175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
		180						185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
	195					200						205			

<210> 72
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v18 ECD

<400>	72														
Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
	35					40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50				55					60					
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65				70					75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Pro	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
		100					105					110			
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
	115					120						125			
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
			165					170					175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
		180						185					190		

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Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
195 200 205

<210> 73
<211> 208
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v19 ECD

<400> 73
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Tyr Glu Glu Asp Ala Phe Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
100 105 110
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
115 120 125
Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
130 135 140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
145 150 155 160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
165 170 175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
180 185 190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
195 200 205

<210> 74
<211> 208
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v20 ECD

761612000240SeqList

<400> 74

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Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1           5           10           15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
          20           25           30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
          35           40           45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
          50           55           60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65           70           75           80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
          85           90           95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
          100          105          110
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
          115          120          125
Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
          130          135          140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
145          150          155          160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
          165          170          175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
          180          185          190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
          195          200          205

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<210> 75

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v21 ECD

<400> 75

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Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1           5           10           15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
          20           25           30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
          35           40           45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Val Ile Thr Asn Asn
          50           55           60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr

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761612000240SeqList

65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155				160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170				175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200					205			

<210> 76
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v22 ECD

<400>	76														
Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
	35					40						45			
Ile	Trp	Pro	Glu	Tyr	Met	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50				55					60					
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65				70					75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155				160	

761612000240SeqList

Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200					205			

<210> 77
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v23 ECD

<400> 77

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5						10				15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25				30			
Gln	Lys	Glu	Lys	Lys	Thr	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
	35					40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50				55					60					
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Gly	Gly	Thr	Tyr
65				70					75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115				120						125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Thr	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155				160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
			165					170					175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200					205			

<210> 78
 <211> 208
 <212> PRT

761612000240SeqList

<213> Artificial Sequence

<220>

<223> CD80 v24 ECD

<400> 78

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5						10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	His	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
	35						40					45			
Ile	Trp	Pro	Gly	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Arg	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Gly	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85						90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105						110	
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165						170				175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 79

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v25 ECD

<400> 79

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5						10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	His	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Gly	Met	Met	Ser	Gly	Asp	Met	Asn

761612000240SeqList

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      35              40              45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
      50              55              60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
      65              70              75              80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
      85              90              95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
      100             105             110
Ile Ser Asp Phe Glu Ile Pro Ser Ser Asn Ile Arg Arg Ile Ile Cys
      115             120             125
Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
      130             135             140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
      145             150             155             160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
      165             170             175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
      180             185             190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
      195             200             205

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<210> 80

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v26 ECD

<400> 80

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Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1              5              10              15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
      20              25              30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
      35              40              45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
      50              55              60
Leu Ser Ile Ala Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
      65              70              75              80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
      85              90              95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Ala Pro Ser
      100             105             110
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
      115             120             125

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761612000240SeqList

Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
130						135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 81

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v27 ECD

<400> 81

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25				30			
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	His	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75						80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Gly	Ala	Phe	Lys	Arg	Glu	His
			85						90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Ala	Pro	Ser
		100						105					110		
Ile	Ser	Asp	Leu	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
						135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

761612000240SeqList

<210> 82
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v28 ECD

<400> 82
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr His Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Gly Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Ser Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 83
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v29 ECD

<400> 83
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys

761612000240SeqList

1				5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp	
			20					25					30			
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn	
		35					40					45				
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn	
	50					55				60						
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr	
65					70				75						80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His	
				85					90					95		
Leu	Ala	Glu	Val	Thr	Ser	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser	
			100					105					110			
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys	
	115					120						125				
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn	
	130					135					140					
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu	
145					150					155					160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr	
				165					170					175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn	
			180					185					190			
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn	
		195					200						205			

<210> 84
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v30 ECD

<400> 84

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys	
1			5					10					15			
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp	
		20						25					30			
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn	
		35					40					45				
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn	
	50					55				60						
Leu	Ser	Thr	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr	
65					70				75						80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His	
				85					90					95		

761612000240SeqList

Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
		130				135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165				170					175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 85
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v31 ECD

<400> 85

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5				10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20					25					30			
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35				40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50				55					60					
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65				70					75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Ala	Pro	Ser
			100				105					110			
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115				120					125				
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150						155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165				170					175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn

761612000240SeqList

	180		185		190
Gln Thr Phe Asn Trp Asn Thr Thr		Lys Gln Glu His Phe Pro Asp Asn			
195		200		205	

<210> 86
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v32 ECD

<400> 86

Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys															
1		5			10				15						
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp															
	20				25				30						
Gln Lys Glu Lys Lys Val Val Leu Asp Met Ile Ser Gly Asp Met Asn															
	35				40				45						
Ile Gly Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn															
	50				55				60						
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Gly Glu Gly Thr Tyr															
65		70			75				80						
Glu Cys Ala Val Leu Lys Tyr Glu Glu Asp Ala Phe Lys Arg Glu His															
	85				90				95						
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser															
	100				105				110						
Ile Ser Asp Phe Glu Ile Pro Ser Ser Asn Ile Arg Arg Ile Ile Cys															
	115				120				125						
Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn															
	130				135				140						
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu															
145		150						155						160	
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr															
	165				170				175						
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn															
	180				185				190						
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn															
	195				200				205						

<210> 87
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>

761612000240SeqList

<223> CD80 v33 ECD

<400> 87

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5						10					15	
Gly	His	Asn	Val	Ser	Ala	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Pro	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170				175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 88

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v34 ECD

<400> 88

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Val	Thr	Leu	Phe	Cys
1			5						10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	His	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Gly	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				

761612000240SeqList

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Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65          70          75          80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
          85          90          95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
100        105        110
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
115        120        125
Ser Ala Ser Gly Gly Phe Pro Glu Leu His Leu Ser Trp Leu Glu Asn
130        135        140
Gly Glu Glu Leu Asn Ala Ile Thr Thr Thr Val Ser Gln Asp Pro Glu
145        150        155        160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
165        170        175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
180        185        190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
195        200        205

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<210> 89

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v35 ECD

<400> 89

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Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1          5          10          15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20        25        30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35        40        45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50        55        60
Leu Ser Phe Val Ile Arg Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65        70        75        80
Glu Cys Val Val Leu Lys Tyr Gly Lys Asp Gly Phe Lys Arg Glu His
85        90        95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
100        105        110
Ile Ser Asp Phe Glu Ile Pro Ser Ser Asn Ile Arg Arg Ile Ile Cys
115        120        125
Ser Ala Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
130        135        140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu

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761612000240SeqList

145					150					155				160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr
				165					170					175
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val
			180					185					190	
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp
		195					200					205		

<210> 90
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v36 ECD

<400>	90														
Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Gly	Pro	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20					25					30			
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
	35					40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50				55					60					
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65				70				75						80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100				105						110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
	115					120					125				
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130				135				140						
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150					155					160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165				170						175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195				200						205			

<210> 91
 <211> 208

761612000240SeqList

<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v37 ECD

<400> 91
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Leu Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Leu Pro Thr Pro Ser
100 105 110
Ile Ser Asp Phe Glu Ile Pro Ser Ser Asn Ile Arg Arg Ile Ile Cys
115 120 125
Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
130 135 140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
145 150 155 160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
165 170 175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
180 185 190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
195 200 205

<210> 92
<211> 208
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v38 ECD

<400> 92
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Asp Ile Leu Trp
20 25 30

761612000240SeqList

His Lys Glu Gly Lys Ile Val Leu Ala Met Arg Ser Gly Asp Thr Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Val Cys Val Val Arg Lys Tyr Glu Asn Asp Thr Pro Val Leu Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Thr Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Ser Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 93

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v39 ECD

<400> 93

Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Asp Ile Leu Trp
 20 25 30
 His Lys Glu Gly Lys Ile Val Leu Ala Met Arg Ser Gly Asp Thr Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Val Cys Val Val Arg Lys Tyr Glu Asn Asp Thr Pro Val Leu Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys

761612000240SeqList

115	120	125
Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Ser		
130	135	140
Gly Glu Glu Leu Ser Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu		
145	150	155
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr		
165	170	175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn		
180	185	190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn		
195	200	205

<210> 94
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v40 ECD

<400> 94

Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys	
1	5
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Asp Ile Leu Trp	
20	25
His Lys Glu Gly Lys Ile Val Leu Ala Thr Arg Ser Gly Asp Thr Asn	
35	40
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn	
50	55
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr	
65	70
Val Cys Val Val Arg Lys Tyr Glu Asn Asp Thr Pro Val Leu Glu His	
85	90
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser	
100	105
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys	
115	120
Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn	
130	135
Gly Glu Glu Ser Ser Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu	
145	150
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr	
165	170
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn	
180	185
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn	
195	200
	205

761612000240SeqList

<210> 95
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v41 ECD

<400> 95
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Gly Leu Ala Gln Thr Asp Ile Leu Trp
 20 25 30
 His Lys Glu Gly Lys Ile Val Leu Ala Met Arg Ser Gly Asp Thr Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Leu Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Val Cys Val Val Arg Lys Tyr Glu Asn Asp Thr Pro Val Leu Glu Arg
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Ser Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Ser Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 96
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v42 ECD

<400> 96

761612000240SeqList

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Asp	Ile	Leu	Trp
			20					25					30		
His	Lys	Glu	Gly	Lys	Ile	Val	Leu	Ala	Met	Arg	Ser	Gly	Asp	Thr	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Val	Cys	Val	Val	Arg	Lys	Tyr	Glu	Asn	Asp	Thr	Pro	Val	Leu	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
		130				135						140			
Gly	Glu	Glu	Leu	Ser	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 97
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v43 ECD

<400> 97

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Val	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Gln	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Arg	Cys	Val	Val	Ile	Lys	Tyr	Glu	Arg	Leu	Glu	Asn	Gln	Gly	Glu	His

761612000240SeqList

				85					90					95			
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser		
			100					105					110				
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys		
		115					120					125					
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn		
	130					135					140						
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu		
145				150						155					160		
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr		
			165					170					175				
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn		
		180						185					190				
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn		
	195						200						205				

<210> 98
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v44 ECD

<400> 98

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys		
1			5					10					15				
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp		
		20					25					30					
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Ile	Met	Met	Ser	Gly	Asp	Met	Asn		
	35					40						45					
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn		
	50				55					60							
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr		
65				70				75						80			
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His		
		85						90					95				
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser		
	100						105						110				
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys		
	115					120						125					
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn		
	130					135					140						
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu		
145				150						155					160		
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr		
			165					170						175			

761612000240SeqList

Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 99
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v45 ECD

<400> 99
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Arg Lys Gly Tyr Arg Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Thr Ser Ser Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Ser His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 100
 <211> 208
 <212> PRT
 <213> Artificial Sequence

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<220>

<223> CD80 v46 ECD

<400> 100

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Arg	Lys	Gly	Tyr	Arg	Arg	Glu	His
			85						90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200						205		

<210> 101

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v47 ECD

<400> 101

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Gly	Gln	Ile	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Leu	Asp	Ile	Thr	Asn	Asn

761612000240SeqList

50	55	60																	
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr				
65					70					75					80				
Val	Cys	Val	Val	Arg	Lys	Tyr	Glu	Asn	Asp	Thr	Pro	Val	Leu	Glu	His				
				85						90				95					
Leu	Ala	Gly	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser				
			100					105					110						
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys				
		115					120					125							
Ser	Ala	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn				
		130				135					140								
Gly	Glu	Glu	Leu	Ser	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu				
145					150					155				160					
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr				
				165				170						175					
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn				
			180					185					190						
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn				
		195					200						205						

<210> 102

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v48 ECD

<400> 102

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys				
1			5					10					15						
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp				
			20					25				30							
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn				
		35				40					45								
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn				
	50				55				60										
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr				
65					70				75						80				
Glu	Cys	Val	Val	Leu	Lys	Tyr	Asp	Arg	Lys	Gly	Tyr	Arg	Arg	Glu	His				
				85				90					95						
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser				
			100					105					110						
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys				
		115					120					125							
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn				
		130				135						140							

761612000240SeqList

Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 103
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v49 ECD

<400> 103
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Gly Gln Ile Val Met Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 104

761612000240SeqList

<211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v50 ECD

<400> 104
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Gly Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 105
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v51 ECD

<400> 105
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr His Ile His Trp

761612000240SeqList

			20					25				30			
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Gly	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75					80	
Glu	Cys	Val	Val	Leu	Lys	Asn	Gly	Glu	Asn	Gly	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Ser	Thr	Pro	Ser
		100					105					110			
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Thr	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
	115					120					125				
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135				140					
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145				150					155					160	
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
			165					170					175		
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
	180						185				190				
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
	195					200						205			

<210> 106

<211> 208

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v52 ECD

<400> 106

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Thr	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	Leu	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20					25				30				
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Val	Ser	Gly	Asp	Met	Asn
	35					40					45				
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Leu	Asp	Ile	Thr	Asn	Asn
	50				55						60				
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Lys	Gly	Thr	Tyr
65					70				75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
			85					90					95		
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Ser	Thr	Pro	Ser
		100					105						110		

761612000240SeqList

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Ile Ser Asp Phe Glu Thr Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
    115                      120                      125
Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
    130                      135                      140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
145                      150                      155                      160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
    165                      170                      175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
    180                      185                      190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
    195                      200                      205

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<210> 107
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v53 ECD

<400> 107

```

Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1      5      10      15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Val Ile Phe Trp
    20      25      30
Gln Lys Glu Gly Lys Leu Val Leu Thr Met Gln Ser Gly Asp Met Asn
    35      40      45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
    50      55      60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65      70      75      80
Arg Cys Ile Val Ile Lys Tyr Glu Arg Leu Glu Asn Gln Gly Glu His
    85      90      95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
    100     105     110
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
    115     120     125
Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
    130     135     140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
145     150     155     160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
    165     170     175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
    180     185     190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn

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761612000240SeqList

195

200

205

<210> 108
 <211> 208
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v54 ECD

<400> 108
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Met Ile Pro Ala Pro Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Glu Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
 100 105 110
 Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
 115 120 125
 Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
 130 135 140
 Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
 145 150 155 160
 Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
 165 170 175
 Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
 180 185 190
 Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 195 200 205

<210> 109
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v1 ECD

761612000240SeqList

<400> 109

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Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20     25     30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35     40     45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50     55     60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65     70     75     80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85     90     95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
100    105    110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
115    120    125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
130    135    140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145    150    155    160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
165    170    175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
180    185    190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
195    200    205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
210    215    220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225    230    235

```

<210> 110

<211> 238

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL v2 ECD

<400> 110

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Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20     25     30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35     40     45

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761612000240SeqList

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Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
      85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
    100        105        110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
    115        120        125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
    130        135        140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145          150          155          160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
      165          170          175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
    180        185        190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
    195        200        205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
    210        215        220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225          230          235

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<210> 111
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v3 ECD

<400> 111

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
    20          25          30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
    35          40          45
Ile Pro Gln Asp Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
    50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
      85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val

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761612000240SeqList

100	105	110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro		
115	120	125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn		
130	135	140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser		
145	150	155
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg		
165	170	175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser		
180	185	190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu		
195	200	205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile		
210	215	220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr		
225	230	235

<210> 112
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v4 ECD

<400> 112

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu	
1	5
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val	
20	25
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His	
35	40
Ile Pro Gln Tyr Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn	
50	55
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu	
65	70
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu	
85	90
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val	
100	105
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro	
115	120
His Ser Pro Ser Gln Asp Glu Leu Thr Leu Thr Cys Thr Ser Ile Asn	
130	135
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser	
145	150
	155
	160

761612000240SeqList

Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Pro Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 113
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v5 ECD

<400> 113
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln His Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Pro Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile

761612000240SeqList

210	215	220
Thr Glu Asn Pro Val Ser	Thr Gly Glu Lys Asn	Ala Ala Thr
225	230	235

<210> 114
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v6 ECD

<400> 114
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Cys Pro Arg Pro Asn Val Cys Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 115
 <211> 238

761612000240SeqList

<212> PRT
<213> Artificial Sequence

<220>
<223> ICOSL v7 ECD

<400> 115
Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1 5 10 15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20 25 30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35 40 45
Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50 55 60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65 70 75 80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85 90 95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
100 105 110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
115 120 125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
130 135 140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145 150 155 160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
165 170 175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
180 185 190
Val Asn Ile Gly Cys Arg Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
195 200 205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
210 215 220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225 230 235

<210> 116
<211> 238
<212> PRT
<213> Artificial Sequence

<220>
<223> ICOSL v8 ECD

<400> 116

761612000240SeqList

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Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20      25      30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35      40      45
Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50      55      60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65      70      75      80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85      90      95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
100     105     110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
115     120     125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Asp Thr Ser Ile Asn
130     135     140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145     150     155     160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
165     170     175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
180     185     190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
195     200     205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
210     215     220
Ala Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225     230     235

```

<210> 117

<211> 238

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL v9 ECD

<400> 117

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20      25      30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35      40      45
Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn

```

761612000240SeqList

50	55	60													
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu
65					70					75					80
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu
			85						90					95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	Val
			100						105					110	
Thr	Leu	His	Val	Ala	Ala	Asn	Phe	Ser	Val	Pro	Val	Val	Ser	Ala	Pro
		115					120						125		
His	Ser	Pro	Ser	Gln	Asp	Glu	Leu	Thr	Phe	Thr	Cys	Thr	Ser	Ile	Asn
		130				135					140				
Gly	Tyr	Pro	Arg	Pro	Asn	Val	Tyr	Trp	Ile	Asn	Lys	Thr	Asp	Asn	Ser
145					150					155					160
Leu	Leu	Asp	Gln	Ala	Leu	Gln	Asn	Asp	Thr	Val	Phe	Leu	Asn	Met	Arg
			165						170					175	
Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser
			180					185					190		
Val	Asn	Ile	Gly	Cys	Arg	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu
		195					200						205		
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile
	210					215					220				
Ala	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr		
225					230					235					

<210> 118
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v10 ECD

<400> 118

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1			5						10					15	
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val
		20						25					30		
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His
		35					40					45			
Ile	Pro	Gln	His	Ser	Ser	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn
	50					55				60					
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu
65					70					75					80
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Arg	Phe	His	Cys	Leu
			85						90					95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	Val
			100					105						110	

761612000240SeqList

```

Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
  115                      120                      125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
  130                      135                      140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145                      150                      155                      160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
                      165                      170                      175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
  180                      185                      190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
  195                      200                      205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
  210                      215                      220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225                      230                      235

```

<210> 119
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v11 ECD

<400> 119

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
  20      25      30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
  35      40      45
Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
  50      55      60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65      70      75      80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
  85      90      95
Val Leu Gly Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
  100     105     110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
  115     120     125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
  130     135     140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145     150     155     160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg

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761612000240SeqList

				165				170					175			
Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser	
			180					185					190			
Val	Asn	Ile	Gly	Cys	Cys	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu	
		195					200					205				
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile	
	210					215				220						
Thr	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr			
225					230					235						

<210> 120
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v12 ECD

<400> 120

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu	
1				5				10					15			
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val	
		20					25					30				
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His	
	35					40					45					
Ile	Pro	Gln	Tyr	Ser	Ser	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn	
	50				55			60								
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu	
65				70				75							80	
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu	
			85					90						95		
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	Val	
		100				105						110				
Thr	Leu	His	Val	Ala	Ala	Asn	Phe	Ser	Val	Pro	Val	Val	Ser	Ala	Pro	
	115					120					125					
His	Ser	Pro	Ser	Gln	Asp	Glu	Leu	Thr	Phe	Thr	Cys	Thr	Ser	Ile	Asn	
	130				135					140						
Gly	Tyr	Pro	Arg	Pro	Asn	Val	Tyr	Trp	Ile	Asn	Lys	Thr	Asp	Asn	Ser	
145				150				155						160		
Leu	Leu	Asp	Gln	Ala	Leu	Gln	Asn	Asp	Thr	Val	Phe	Leu	Asn	Met	Arg	
			165					170					175			
Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser	
		180					185						190			
Val	Asn	Ile	Gly	Cys	Cys	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu	
	195					200						205				
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile	
	210					215				220						

761612000240SeqList

Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 121
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v13 ECD

<400> 121
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Asn Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 122
 <211> 238
 <212> PRT

761612000240SeqList

<213> Artificial Sequence

<220>

<223> ICOSL v14 ECD

<400> 122

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20     25     30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35     40     45
Ile Pro Gln Asn Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
50     55     60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65     70     75     80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85     90     95
Val Leu Ser Pro Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
100    105    110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
115    120    125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
130    135    140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145    150    155    160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
165    170    175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
180    185    190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
195    200    205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
210    215    220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225    230    235

```

<210> 123

<211> 238

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL v15 ECD

<400> 123

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu

```

761612000240SeqList

```

1           5           10           15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20           25           30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35           40           45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50           55           60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65           70           75           80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85           90           95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
100          105          110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
115          120          125
His Gly Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
130          135          140
Gly Tyr Pro Arg Pro Asn Val Cys Trp Ile Asn Lys Thr Asp Asn Ser
145          150          155          160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
165          170          175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
180          185          190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
195          200          205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
210          215          220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225          230          235

```

<210> 124

<211> 238

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL v16 ECD

<400> 124

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1           5           10           15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20           25           30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35           40           45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50           55           60

```

761612000240SeqList

```

Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65      70      75      80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
      85      90      95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
      100     105     110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
      115     120     125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
      130     135     140
Gly Tyr Pro Arg Pro Asn Val Cys Trp Ile Asn Lys Thr Asp Asn Ser
145      150      155      160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
      165     170     175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
      180     185     190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
      195     200     205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
      210     215     220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225      230      235

```

<210> 125
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v17 ECD

```

<400> 125
Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
      20      25      30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
      35      40      45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
      50      55      60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65      70      75      80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
      85      90      95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
      100     105     110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro

```

761612000240SeqList

	115					120					125						
His	Ser	Pro	Ser	Gln	Asp	Glu	Leu	Thr	Phe	Thr	Cys	Thr	Ser	Ile	Asn		
	130					135					140						
Gly	Tyr	Pro	Arg	Pro	Asn	Val	Tyr	Trp	Ile	Asn	Lys	Thr	Asp	Asn	Ser		
145					150					155					160		
Leu	Leu	Asp	Gln	Ala	Leu	Gln	Asn	Asp	Thr	Val	Phe	Leu	Asn	Met	Arg		
			165						170					175			
Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser		
			180					185					190				
Val	Asn	Ile	Gly	Cys	Arg	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu		
	195						200					205					
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile		
	210					215					220						
Thr	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr				
225					230					235							

<210> 126
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v18 ECD

<400> 126

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu		
1				5					10					15			
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val		
			20					25					30				
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His		
		35					40					45					
Ile	Pro	Gln	Tyr	Ser	Ser	Leu	Glu	Tyr	Val	Asp	Ser	Arg	Tyr	Arg	Asn		
	50					55				60							
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu		
65				70					75					80			
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu		
			85					90					95				
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	Val		
			100					105					110				
Thr	Leu	His	Val	Ala	Ala	Asn	Phe	Ser	Val	Pro	Val	Val	Ser	Ala	Pro		
	115					120						125					
His	Ser	Pro	Ser	Gln	Asp	Glu	Leu	Thr	Phe	Thr	Cys	Thr	Ser	Ile	Asn		
	130					135					140						
Gly	Tyr	Pro	Arg	Pro	Asn	Val	Cys	Trp	Ile	Asn	Lys	Thr	Asp	Asn	Ser		
145					150					155					160		
Leu	Leu	Asp	Gln	Ala	Leu	Gln	Asn	Asp	Thr	Val	Phe	Leu	Asn	Met	Arg		
			165					170						175			

761612000240SeqList

Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser
			180					185					190		
Val	Asn	Ile	Gly	Cys	Cys	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu
		195					200					205			
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile
	210					215					220				
Thr	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr		
225					230					235					

<210> 127
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v19 ECD

<400> 127

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1				5					10					15	
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val
		20					25					30			
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His
	35					40					45				
Ile	Pro	Gln	Tyr	Ser	Ser	Leu	Glu	Tyr	Val	Asp	Ser	Arg	Tyr	Arg	Asn
	50					55				60					
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu
65				70					75					80	
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu
			85					90						95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	Val
		100					105						110		
Thr	Leu	His	Val	Ala	Ala	Asn	Phe	Ser	Val	Pro	Val	Val	Ser	Ala	Pro
	115					120						125			
Pro	Ser	Pro	Ser	Gln	Asp	Glu	Leu	Thr	Phe	Thr	Cys	Thr	Ser	Ile	Asn
	130				135						140				
Gly	Tyr	Pro	Arg	Pro	Asn	Val	Tyr	Trp	Ile	Asn	Lys	Thr	Asp	Asn	Ser
145				150					155					160	
Leu	Leu	Asp	Gln	Ala	Leu	Gln	Asn	Asp	Thr	Val	Phe	Leu	Asn	Met	Arg
			165					170					175		
Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser
		180					185						190		
Val	Asn	Ile	Gly	Cys	Arg	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu
	195					200						205			
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile
	210					215					220				
Thr	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr		

761612000240SeqList

225

230

235

<210> 128
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v20 ECD

<400> 128
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Pro Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Arg Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 129
 <211> 238
 <212> PRT
 <213> Artificial Sequence

761612000240SeqList

<220>

<223> ICOSL v21 ECD

<400> 129

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20     25     30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35     40     45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50     55     60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65     70     75     80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85     90     95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
100    105    110
Glu Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
115    120    125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
130    135    140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145    150    155    160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
165    170    175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
180    185    190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
195    200    205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
210    215    220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225    230    235

```

<210> 130

<211> 238

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL v22 ECD

<400> 130

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1      5      10      15

```

761612000240SeqList

Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Asn Ser Ala Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 131
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v23 ECD

<400> 131
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Asp Ser Pro Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu

761612000240SeqList

```

65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
          85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
          100         105         110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
          115         120         125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
          130         135         140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
          145         150         155         160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
          165         170         175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
          180         185         190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
          195         200         205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
          210         215         220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
          225         230         235

```

<210> 132
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v24 ECD

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<400> 132
Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
          20          25          30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
          35          40          45
Ile Pro Gln Lys Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
          50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
          85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
          100         105         110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
          115         120         125

```

761612000240SeqList

```

His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130          135          140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145          150          155          160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
          165          170          175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
          180          185          190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Pro
          195          200          205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
          210          215          220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225          230          235

```

<210> 133
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v25 ECD

<400> 133

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Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
          20          25          30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
          35          40          45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
          50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
          85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
          100          105          110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
          115          120          125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
          130          135          140
Gly Tyr Pro Arg Pro Asn Val His Trp Ile Asn Lys Thr Asp Asn Ser
145          150          155          160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
          165          170          175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser

```

761612000240SeqList

			180					185				190			
Val	Asn	Ile	Gly	Cys	Cys	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu
			195					200					205		
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile
		210				215					220				
Thr	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr		
225					230					235					

<210> 134
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v26 ECD

<400> 134

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1				5					10					15	
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val
		20						25					30		
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His
		35					40					45			
Ile	Pro	Gln	Asp	Ser	Ser	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn
	50					55					60				
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu
65					70				75						80
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu
			85						90					95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	Val
			100					105					110		
Thr	Leu	His	Val	Ala	Ala	Asn	Phe	Ser	Val	Pro	Val	Val	Ser	Ala	Pro
		115					120						125		
His	Ser	Pro	Ser	Gln	Asp	Glu	Leu	Thr	Phe	Thr	Cys	Thr	Ser	Ile	Asn
	130					135					140				
Gly	Tyr	Pro	Arg	Pro	Asn	Ala	Tyr	Trp	Ile	Asn	Lys	Thr	Asp	Asn	Ser
145					150					155					160
Leu	Leu	Asp	Gln	Ala	Leu	Gln	Asn	Asp	Thr	Val	Phe	Leu	Asn	Met	Arg
			165						170					175	
Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser
		180						185					190		
Val	Asn	Ile	Gly	Cys	Cys	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu
		195					200						205		
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile
		210				215					220				
Thr	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr		
225					230					235					

761612000240SeqList

<210> 135
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v27 ECD

<400> 135
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Thr Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 136
 <211> 238
 <212> PRT
 <213> Artificial Sequence

761612000240SeqList

<220>

<223> ICOSL v28 ECD

<400> 136

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20          25          30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35          40          45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Pro
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
100         105         110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
115         120         125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
130         135         140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
145         150         155         160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
165         170         175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
180         185         190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
195         200         205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
210         215         220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225         230         235

```

<210> 137

<211> 238

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL v29 ECD

<400> 137

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val

```

761612000240SeqList

		20					25					30								
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His					
		35					40					45								
Ile	Pro	Gln	Asn	Ser	Ser	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn					
		50					55					60								
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu					
65						70					75					80				
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu					
		85					90					95								
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	Val					
		100					105					110								
Thr	Leu	His	Val	Ala	Ala	Asn	Ser	Ser	Val	Pro	Val	Val	Ser	Ala	Pro					
		115					120					125								
His	Ser	Pro	Ser	Gln	Asp	Glu	Leu	Thr	Phe	Thr	Cys	Thr	Ser	Ile	Asn					
		130					135					140								
Gly	Tyr	Pro	Arg	Pro	Asn	Val	His	Trp	Ile	Asn	Lys	Thr	Asp	Asn	Ser					
145						150					155					160				
Leu	Leu	Asp	Gln	Ala	Leu	Gln	Asn	Asp	Thr	Val	Phe	Leu	Asn	Met	Arg					
		165					170					175								
Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser					
		180					185					190								
Val	Asn	Ile	Gly	Cys	Cys	Ile	Glu	Ser	Val	Leu	Leu	Gln	Gln	Asn	Leu					
		195					200					205								
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile					
		210					215					220								
Thr	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr							
225						230					235									

<210>	138
<211>	238
<212>	PRT
<213>	Artificial Sequence

<220>
<223> ICOSL v30 ECD

<400> 138															
Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1				5					10					15	
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val
			20					25						30	
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His
		35					40						45		
Ile	Pro	Gln	Ser	Ser	Ser	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn
	50					55					60				
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Gln	Gly	Asp	Phe	Ser	Leu
65					70					75					80

761612000240SeqList

```

Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
      85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
      100        105        110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
      115        120        125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
      130        135        140
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
      145        150        155        160
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
      165        170        175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
      180        185        190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Pro Leu Gln Gln Asn Leu
      195        200        205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
      210        215        220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
      225        230        235

```

<210> 139
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v31 ECD

<400> 139

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
      20          25          30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
      35          40          45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
      50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
      65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
      85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
      100        105        110
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
      115        120        125
His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn

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761612000240SeqList

130	135	140													
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Gly Asn Ser															
145	150	155	160												
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg															
	165	170	175												
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser															
	180	185	190												
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu															
	195	200	205												
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile															
	210	215	220												
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr															
225	230	235													

<210> 140
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v32 ECD

<400> 140

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu															
1	5	10	15												
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val															
	20	25	30												
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His															
	35	40	45												
Ile Pro Gln Asp Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn															
	50	55	60												
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu															
65	70	75	80												
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu															
	85	90	95												
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val															
	100	105	110												
Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro															
	115	120	125												
His Ser Pro Ser His Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn															
	130	135	140												
Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser															
145	150	155	160												
Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg															
	165	170	175												
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser															
	180	185	190												

761612000240SeqList

Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 141
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v33 ECD

<400> 141
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Ser Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe Asp Cys Phe
 85 90 95
 Val Phe Ser Arg Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

761612000240SeqList

<210> 142
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v34 ECD

<400> 142
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Ser Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe Asp Cys Phe
 85 90 95
 Val Phe Ser Arg Ser Leu Glu Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Ser Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 225 230 235

<210> 143
 <211> 117
 <212> PRT
 <213> Artificial Sequence

<220>

761612000240SeqList

<223> NKp30 v1 ECD

<400> 143

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Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
1          5          10          15
Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Val Ala Ile
          20          25          30
Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
          35          40          45
Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Val Pro Leu Ala Pro
          50          55          60
Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
65          70          75          80
Arg Gly His Asp Ala Gly Ile Tyr Val Cys Arg Val Glu Val Leu Gly
          85          90          95
Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu
          100          105          110
His Pro Gln Leu Gly
          115

```

<210> 144

<211> 117

<212> PRT

<213> Artificial Sequence

<220>

<223> NKp30 v2 ECD

<400> 144

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Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
1          5          10          15
Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Val Ala Ile
          20          25          30
Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
          35          40          45
Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser
          50          55          60
Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
65          70          75          80
Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
          85          90          95
Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu
          100          105          110
His Pro Gln Leu Gly
          115

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761612000240SeqList

<210> 145
 <211> 117
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> NKp30 v3 ECD

<400> 145
 Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
 1 5 10 15
 Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
 20 25 30
 Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
 35 40 45
 Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Val Pro Leu Ala Ser
 50 55 60
 Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
 65 70 75 80
 Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
 85 90 95
 Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu
 100 105 110
 His Pro Gln Leu Gly
 115

<210> 146
 <211> 117
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> NKp30 v4 ECD

<400> 146
 Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
 1 5 10 15
 Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
 20 25 30
 Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
 35 40 45
 Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Pro
 50 55 60
 Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
 65 70 75 80
 Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
 85 90 95

761612000240SeqList

Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu
 100 105 110
 His Pro Gln Leu Gly
 115

<210> 147
 <211> 117
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> NKp30 v5 ECD

<400> 147
 Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
 1 5 10 15
 Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
 20 25 30
 Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
 35 40 45
 Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser
 50 55 60
 Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
 65 70 75 80
 Arg Gly His Asp Ala Gly Ile Tyr Val Cys Arg Val Glu Val Leu Gly
 85 90 95
 Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu
 100 105 110
 His Pro Gln Leu Gly
 115

<210> 148
 <211> 224
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD86 v1 ECD

<400> 148
 Ala Pro Leu Lys Ile Gln Ala Tyr Phe Asn Glu Thr Ala Asp Leu Pro
 1 5 10 15
 Cys Gln Phe Ala Asn Ser Gln Asn Gln Ser Leu Ser Glu Leu Val Val
 20 25 30
 Phe Trp His Asp Gln Glu Asn Leu Val Leu Asn Glu Val Tyr Leu Gly

761612000240SeqList

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      35              40              45
Lys Glu Lys Phe Asp Ser Val His Ser Lys Tyr Met Gly Arg Thr Ser
  50              55              60
Phe Asp Ser Asp Ser Trp Thr Leu Arg Leu His Asn Leu Gln Ile Lys
  65              70              75              80
Asp Lys Gly Leu Tyr Gln Cys Ile Ile Leu His Lys Lys Pro Thr Gly
      85              90              95
Met Ile Arg Ile His His Met Asn Ser Glu Leu Ser Val Leu Ala Asn
      100             105             110
Phe Ser Gln Pro Glu Ile Val Pro Ile Ser Asn Ile Thr Glu Asn Val
      115             120             125
Tyr Ile Asn Leu Thr Cys Ser Ser Ile His Gly Tyr Pro Glu Pro Lys
      130             135             140
Lys Met Ser Val Leu Leu Arg Thr Lys Asn Ser Thr Ile Glu Tyr Asp
      145             150             155             160
Gly Val Met Gln Lys Ser Gln Asp Asn Val Thr Glu Leu Tyr Asp Val
      165             170             175
Ser Ile Ser Leu Ser Val Ser Phe Pro Asp Val Thr Ser Asn Met Thr
      180             185             190
Ile Phe Cys Ile Leu Glu Thr Asp Lys Thr Arg Leu Leu Ser Ser Pro
      195             200             205
Phe Ser Ile Glu Leu Glu Asp Pro Gln Pro Pro Pro Asp His Ile Pro
      210             215             220

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<210> 149
 <211> 224
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD86 v2 ECD

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<400> 149
Ala Pro Leu Lys Ile Gln Ala Tyr Phe Asn Glu Thr Ala Asp Leu Pro
  1              5              10              15
Cys Gln Phe Ala Asn Ser Gln Asn Gln Ser Leu Ser Glu Leu Val Val
      20              25              30
Phe Trp His Asp Gln Glu Asn Leu Val Leu Asn Glu Val Tyr Leu Gly
      35              40              45
Lys Glu Lys Phe Asp Ser Val His Ser Lys Tyr Met Gly Arg Thr Ser
      50              55              60
Phe Asp Ser Asp Ser Trp Thr Leu Arg Leu His Asn Leu Gln Ile Lys
      65              70              75              80
Asp Lys Gly Leu Tyr Gln Cys Ile Ile His His Lys Lys Pro Thr Gly
      85              90              95
Met Ile Arg Ile His Gln Met Asn Ser Glu Leu Ser Val Leu Ala Asn
      100             105             110

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761612000240SeqList

Phe Ser Gln Pro Glu Ile Val Pro Ile Ser Asn Ile Thr Glu Asn Val
 115 120 125
 Tyr Ile Asn Leu Thr Cys Ser Ser Ile His Gly Tyr Pro Glu Pro Lys
 130 135 140
 Lys Met Ser Val Leu Leu Arg Thr Lys Asn Ser Thr Ile Glu Tyr Asp
 145 150 155 160
 Gly Val Met Gln Lys Ser Gln Asp Asn Val Thr Glu Leu Tyr Asp Val
 165 170 175
 Ser Ile Ser Leu Ser Val Ser Phe Pro Asp Val Thr Ser Asn Met Thr
 180 185 190
 Ile Phe Cys Ile Leu Glu Thr Asp Lys Thr Arg Leu Leu Ser Ser Pro
 195 200 205
 Phe Ser Ile Glu Leu Glu Asp Pro Gln Pro Pro Pro Asp His Ile Pro
 210 215 220

<210> 150

<211> 224

<212> PRT

<213> Artificial Sequence

<220>

<223> CD86 v3 ECD

<400> 150

Ala Pro Leu Lys Ile Gln Ala Tyr Phe Asn Glu Thr Ala Asp Leu Pro
 1 5 10 15
 Cys Gln Phe Ala Asn Ser Gln Asn Gln Ser Leu Ser Glu Leu Val Val
 20 25 30
 Phe Trp Gln Asp Gln Glu Asn Leu Val Leu Asn Glu Val Tyr Leu Gly
 35 40 45
 Lys Glu Lys Phe Asp Ser Val His Ser Lys Tyr Met Gly Arg Thr Ser
 50 55 60
 Phe Asp Ser Asp Ser Trp Thr Leu Arg Leu His Asn Leu Gln Ile Lys
 65 70 75 80
 Asp Lys Gly Leu Tyr Gln Cys Ile Ile Leu His Lys Lys Pro Thr Gly
 85 90 95
 Met Ile Arg Ile His Gln Met Asn Ser Glu Leu Ser Val Leu Ala Asn
 100 105 110
 Phe Ser Gln Pro Glu Ile Val Pro Ile Ser Asn Ile Thr Glu Asn Val
 115 120 125
 Tyr Ile Asn Leu Thr Cys Ser Ser Ile His Gly Tyr Pro Glu Pro Lys
 130 135 140
 Lys Met Ser Val Leu Leu Arg Thr Lys Asn Ser Thr Ile Glu Tyr Asp
 145 150 155 160
 Gly Val Met Gln Lys Ser Gln Asp Asn Val Thr Glu Leu Tyr Asp Val
 165 170 175
 Ser Ile Ser Leu Ser Val Ser Phe Pro Asp Val Thr Ser Asn Met Thr

761612000240SeqList

			180					185				190					
Ile	Phe	Cys	Ile	Leu	Glu	Thr	Asp	Lys	Thr	Arg	Leu	Leu	Ser	Ser	Pro		
		195					200					205					
Phe	Ser	Ile	Glu	Leu	Glu	Asp	Pro	Gln	Pro	Pro	Pro	Asp	His	Ile	Pro		
	210					215					220						

<210> 151
 <211> 224
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD86 v4 ECD

<400> 151

Ala	Pro	Leu	Lys	Ile	Gln	Ala	Tyr	Phe	Asn	Glu	Thr	Ala	Asp	Leu	Pro		
1				5					10					15			
Cys	Gln	Phe	Ala	Asn	Ser	Gln	Asn	Gln	Ser	Leu	Ser	Glu	Leu	Val	Val		
			20					25					30				
Phe	Trp	Gln	Asp	Gln	Glu	Asn	Leu	Val	Leu	Asn	Glu	Val	Tyr	Leu	Gly		
	35					40					45						
Lys	Glu	Lys	Phe	Asp	Ser	Val	His	Ser	Lys	Tyr	Met	Gly	Arg	Thr	Ser		
	50					55					60						
Phe	Asp	Ser	Asp	Ser	Trp	Thr	Leu	Arg	Leu	His	Asn	Leu	Gln	Ile	Lys		
65					70					75				80			
Asp	Lys	Gly	Leu	Tyr	Gln	Cys	Ile	Ile	His	His	Lys	Lys	Pro	Thr	Gly		
			85						90					95			
Met	Ile	Arg	Ile	His	His	Met	Asn	Ser	Glu	Leu	Ser	Val	Leu	Ala	Asn		
			100					105					110				
Phe	Ser	Gln	Pro	Glu	Ile	Val	Pro	Ile	Ser	Asn	Ile	Thr	Glu	Asn	Val		
		115					120					125					
Tyr	Ile	Asn	Leu	Thr	Cys	Ser	Ser	Ile	His	Gly	Tyr	Pro	Glu	Pro	Lys		
	130					135					140						
Lys	Met	Ser	Val	Leu	Leu	Arg	Thr	Lys	Asn	Ser	Thr	Ile	Glu	Tyr	Asp		
145					150					155					160		
Gly	Val	Met	Gln	Lys	Ser	Gln	Asp	Asn	Val	Thr	Glu	Leu	Tyr	Asp	Val		
			165					170						175			
Ser	Ile	Ser	Leu	Ser	Val	Ser	Phe	Pro	Asp	Val	Thr	Ser	Asn	Met	Thr		
			180					185					190				
Ile	Phe	Cys	Ile	Leu	Glu	Thr	Asp	Lys	Thr	Arg	Leu	Leu	Ser	Ser	Pro		
		195					200					205					
Phe	Ser	Ile	Glu	Leu	Glu	Asp	Pro	Gln	Pro	Pro	Pro	Asp	His	Ile	Pro		
	210					215					220						

<210> 152
 <211> 101

761612000240SeqList

<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 WT IgV

<400> 152
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr
100

<210> 153
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v1 IgV

<400> 153
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr
100

761612000240SeqList

<210> 154
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v4 IgV

<400> 154
 Val Ile His Met Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 155
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v6 IgV

<400> 155
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Leu Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ser Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

761612000240SeqList

<210> 156
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v7 IgV

<400> 156
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Pro Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 157
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v9 IgV

<400> 157
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95

761612000240SeqList

Leu Ala Glu Val Thr
100

<210> 158
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v10 IgV

<400> 158
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60
Leu Ser Ile Val Ile Arg Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr
100

<210> 159
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v11 IgV

<400> 159
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80

761612000240SeqList

Ala Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr
100

<210> 160
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v12 IgV

<400> 160
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Asn Glu Lys Asp Gly Phe Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr
100

<210> 161
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v13 IgV

<400> 161
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Ser Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50 55 60

761612000240SeqList

Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Lys His
85 90 95
Leu Ala Glu Val Thr
100

<210> 162
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v14 IgV

<400> 162
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Ser Asn
50 55 60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65 70 75 80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
85 90 95
Leu Ala Glu Val Thr
100

<210> 163
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> CD80 v15 IgV

<400> 163
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1 5 10 15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20 25 30
Gln Lys Glu Glu Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35 40 45

761612000240SeqList

Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Thr Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 164
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v16 IgV

<400> 164
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Gly Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 165
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v17 IgV

<400> 165
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30

761612000240SeqList

Gln Lys Glu Lys Glu Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Ser Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 166
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v19 IgV

<400> 166
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Glu Asp Ala Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 167
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v21 IgV

<400> 167
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15

761612000240SeqList

Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Val Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 168
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v22 IgV

<400> 168
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Met Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 169
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v23 IgV

<400> 169

761612000240SeqList

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Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1           5           10           15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
          20           25           30
Gln Lys Glu Lys Lys Thr Val Leu Thr Met Met Ser Gly Asp Met Asn
          35           40           45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
          50           55           60
Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Gly Gly Thr Tyr
65           70           75           80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
          85           90           95
Leu Ala Glu Val Thr
          100

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<210> 170
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v24 IgV

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<400> 170
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1           5           10           15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr His Ile Tyr Trp
          20           25           30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
          35           40           45
Ile Trp Pro Gly Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
          50           55           60
Leu Ser Ile Val Ile Arg Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65           70           75           80
Glu Cys Val Val Leu Lys Tyr Gly Lys Asp Gly Phe Lys Arg Glu His
          85           90           95
Leu Ala Glu Val Thr
          100

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<210> 171
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v25 IgV

761612000240SeqList

<400> 171

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	His	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Gly	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	Ser	Ile	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
				85				90						95	
Leu	Ala	Glu	Val	Thr											
				100											

<210> 172

<211> 101

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v26 IgV

<400> 172

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	Ser	Ile	Ala	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
				85				90						95	
Leu	Ala	Glu	Val	Thr											
				100											

<210> 173

<211> 101

<212> PRT

<213> Artificial Sequence

761612000240SeqList

<220>

<223> CD80 v27 IgV

<400> 173

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	His	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Gly	Ala	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr											
				100											

<210> 174

<211> 101

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v28 IgV

<400> 174

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	His	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Gly	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75					80	
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr											
				100											

<210> 175

<211> 101

<212> PRT

761612000240SeqList

<213> Artificial Sequence

<220>

<223> CD80 v30 IgV

<400> 175

```

Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1           5           10           15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
           20           25           30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
           35           40           45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
           50           55           60
Leu Ser Thr Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65           70           75           80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
           85           90           95
Leu Ala Glu Val Thr
           100

```

<210> 176

<211> 101

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v32 IgV

<400> 176

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Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1           5           10           15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
           20           25           30
Gln Lys Glu Lys Lys Val Val Leu Asp Met Ile Ser Gly Asp Met Asn
           35           40           45
Ile Gly Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
           50           55           60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Gly Glu Gly Thr Tyr
65           70           75           80
Glu Cys Ala Val Leu Lys Tyr Glu Glu Asp Ala Phe Lys Arg Glu His
           85           90           95
Leu Ala Glu Val Thr
           100

```

<210> 177

761612000240SeqList

<211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v33 IgV

<400> 177
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Ala Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 178
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v34 IgV

<400> 178
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Val Thr Leu Phe Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile His Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Gly Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

761612000240SeqList

<210> 179
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v35 IgV

<400> 179
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Phe Val Ile Arg Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Gly Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 180
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v36 IgV

<400> 180
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Gly Pro Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Gln Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr

761612000240SeqList

100

<210> 181
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v37 IgV

<400> 181
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Leu Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 182
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v38 IgV

<400> 182
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Asp Ile Leu Trp
 20 25 30
 His Lys Glu Gly Lys Ile Val Leu Ala Met Arg Ser Gly Asp Thr Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Val Cys Val Val Arg Lys Tyr Glu Asn Asp Thr Pro Val Leu Glu His

761612000240SeqList

85
 Leu Ala Glu Val Thr
 100

90

95

<210> 183
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v40 IgV

<400> 183
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Asp Ile Leu Trp
 20 25 30
 His Lys Glu Gly Lys Ile Val Leu Ala Thr Arg Ser Gly Asp Thr Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Val Cys Val Val Arg Lys Tyr Glu Asn Asp Thr Pro Val Leu Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 184
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v41 IgV

<400> 184
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Gly Leu Ala Gln Thr Asp Ile Leu Trp
 20 25 30
 His Lys Glu Gly Lys Ile Val Leu Ala Met Arg Ser Gly Asp Thr Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Leu Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr

761612000240SeqList

65		70		75		80
Val	Cys	Val	Val	Arg	Lys	Tyr
				85		
Leu	Ala	Glu	Val	Thr		
				100		

<210> 185
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v43 IgV

<400>	185														
Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Val	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Gln	Ser	Gly	Asp	Met	Asn
		35				40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75					80	
Arg	Cys	Val	Val	Ile	Lys	Tyr	Glu	Arg	Leu	Glu	Asn	Gln	Gly	Glu	His
			85					90						95	
Leu	Ala	Glu	Val	Thr											
				100											

<210> 186
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v44 IgV

<400>	186														
Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1				5					10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
			20					25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Ile	Met	Met	Ser	Gly	Asp	Met	Asn
		35				40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn

761612000240SeqList

50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Gly Phe Lys Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 187
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD80 v45 IgV

<400> 187
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Glu Arg Lys Gly Tyr Arg Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 188
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v47 IgV

<400> 188
 Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30

761612000240SeqList

Gln Lys Glu Gly Gln Ile Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Leu Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Val Cys Val Val Arg Lys Tyr Glu Asn Asp Thr Pro Val Leu Glu His
 85 90 95
 Leu Ala Gly Val Thr
 100

<210> 189

<211> 101

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v48 IgV

<400> 189

Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15
 Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
 20 25 30
 Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
 35 40 45
 Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
 50 55 60
 Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
 65 70 75 80
 Glu Cys Val Val Leu Lys Tyr Asp Arg Lys Gly Tyr Arg Arg Glu His
 85 90 95
 Leu Ala Glu Val Thr
 100

<210> 190

<211> 101

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v49 IgV

<400> 190

Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
 1 5 10 15

761612000240SeqList

Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Gly	Gln	Ile	Val	Met	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
			85						90					95	
Leu	Ala	Glu	Val	Thr											
			100												

<210> 191
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v50 IgV

<400> 191

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Gly	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35				40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
			85						90					95	
Leu	Ala	Glu	Val	Thr											
			100												

<210> 192
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v51 IgV

<400> 192

761612000240SeqList

```

Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1           5           10           15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr His Ile His Trp
           20           25           30
Gln Lys Glu Lys Lys Met Val Leu Gly Met Met Ser Gly Asp Met Asn
           35           40           45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
           50           55           60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65           70           75           80
Glu Cys Val Val Leu Lys Asn Gly Glu Asn Gly Phe Lys Arg Glu His
           85           90           95
Leu Ala Glu Val Thr
           100

```

<210> 193
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v52 IgV

```

<400> 193
Val Ile His Val Thr Lys Glu Val Lys Glu Val Thr Thr Leu Ser Cys
1           5           10           15
Gly Leu Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
           20           25           30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Val Ser Gly Asp Met Asn
           35           40           45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Leu Asp Ile Thr Asn Asn
           50           55           60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Lys Gly Thr Tyr
65           70           75           80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
           85           90           95
Leu Ala Glu Val Thr
           100

```

<210> 194
 <211> 101
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 v53 IgV

761612000240SeqList

<400> 194

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Val	Ile	Phe	Trp
		20						25					30		
Gln	Lys	Glu	Gly	Lys	Leu	Val	Leu	Thr	Met	Gln	Ser	Gly	Asp	Met	Asn
	35					40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	Ser	Ile	Val	Ile	Leu	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75						80
Arg	Cys	Ile	Val	Ile	Lys	Tyr	Glu	Arg	Leu	Glu	Asn	Gln	Gly	Glu	His
			85					90						95	
Leu	Ala	Glu	Val	Thr											
			100												

<210> 195

<211> 101

<212> PRT

<213> Artificial Sequence

<220>

<223> CD80 v54 IgV

<400> 195

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5					10					15		
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
	35					40						45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55				60					
Leu	Ser	Ile	Met	Ile	Pro	Ala	Pro	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70				75						80
Glu	Cys	Val	Val	Leu	Glu	Tyr	Glu	Lys	Asp	Ala	Phe	Lys	Arg	Glu	His
			85					90						95	
Leu	Ala	Glu	Val	Thr											
			100												

<210> 196

<211> 111

<212> PRT

<213> Artificial Sequence

761612000240SeqList

<220>

<223> ICOSL WT IgV

<400> 196

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
          20          25          30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
          35          40          45
Ile Pro Gln Asn Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
          50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
          85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
          100          105          110

```

<210> 197

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL v1 IgV

<400> 197

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
          20          25          30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
          35          40          45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
          50          55          60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
          85          90          95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
          100          105          110

```

<210> 198

<211> 111

<212> PRT

761612000240SeqList

<213> Artificial Sequence

<220>

<223> ICOSL v2 IgV

<400> 198

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20        25        30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35        40        45
Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50        55        60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65        70        75        80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85        90        95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
100       105       110

```

<210> 199

<211> 111

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL v3 IgV

<400> 199

```

Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1          5          10          15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20        25        30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35        40        45
Ile Pro Gln Asp Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50        55        60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65        70        75        80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85        90        95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
100       105       110

```

<210> 200

761612000240SeqList

<211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v4 IgV

<400> 200
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Tyr Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
 100 105 110

<210> 201
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v5 IgV

<400> 201
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln His Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Pro Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
 100 105 110

761612000240SeqList

<210> 202
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v10 IgV

<400> 202
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Arg Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
 100 105 110

<210> 203
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v11 IgV

<400> 203
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln His Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Gly Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu

761612000240SeqList

100

105

110

<210> 204
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> ICOSL v12 IgV

<400> 204
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Tyr Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
 100 105 110

<210> 205
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v13 IgV

<400> 205
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Asn Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80

761612000240SeqList

Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85 90 95
Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
100 105 110

<210> 206
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> ICOSL v14 IgV

<400> 206
Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1 5 10 15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20 25 30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35 40 45
Ile Pro Gln Asn Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
50 55 60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65 70 75 80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85 90 95
Val Leu Ser Pro Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
100 105 110

<210> 207
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> ICOSL v22 IgV

<400> 207
Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1 5 10 15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20 25 30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35 40 45
Ile Pro Gln Asn Ser Ala Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50 55 60

761612000240SeqList

Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu
65					70					75					80
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu
			85						90					95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	
			100					105						110	

<210> 208
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v23 IgV

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1				5					10					15	
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val
			20					25					30		
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His
		35					40					45			
Ile	Pro	Gln	Asp	Ser	Pro	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn
	50					55				60					
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu
65					70					75					80
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu
			85						90					95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	
			100					105						110	

<210> 209
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v24 IgV

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1				5					10					15	
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val
			20					25					30		
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His
		35					40					45			

761612000240SeqList

Ile	Pro	Gln	Lys	Ser	Ser	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn
50						55				60					
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu
65					70					75					80
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu
			85						90					95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	
			100					105					110		

<210> 210
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> ICOSL v28 IgV

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1			5					10					15		
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val
		20						25					30		
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His
		35					40					45			
Ile	Pro	Gln	Ser	Ser	Ser	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn
50						55				60					
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Pro
65					70					75					80
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu
			85						90					95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	
			100					105					110		

<210> 211
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v30 IgV

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1			5					10					15		
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val

761612000240SeqList

20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Gln Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
 100 105 110

<210> 212
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v33 IgV

<400> 212
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Ser Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe Asp Cys Phe
 85 90 95
 Val Phe Ser Arg Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu
 100 105 110

<210> 213
 <211> 111
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v34 IgV

<400> 213
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu

761612000240SeqList

```

1           5           10           15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
          20           25           30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
          35           40           45
Ile Pro Gln Ser Ser Ser Leu Glu Tyr Val Asp Ser Arg Tyr Arg Asn
          50           55           60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65          70          75          80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe Asp Cys Phe
          85          90          95
Val Phe Ser Arg Ser Leu Glu Phe Gln Glu Val Leu Ser Val Glu
          100         105         110

```

<210> 214
 <211> 108
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> NKp30 WT IgC-like

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<400> 214
Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
1           5           10           15
Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
          20           25           30
Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
          35           40           45
Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser
          50           55           60
Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
65          70          75          80
Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
          85          90          95
Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val
          100         105

```

<210> 215
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> NKp30 v1 IgC-like

761612000240SeqList

<400> 215

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Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
1          5          10          15
Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Val Ala Ile
20          25          30
Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
35          40          45
Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Val Pro Leu Ala Pro
50          55          60
Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
65          70          75          80
Arg Gly His Asp Ala Gly Ile Tyr Val Cys Arg Val Glu Val Leu Gly
85          90          95
Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val
100          105

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<210> 216

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> NKp30 v2 IgC-like

<400> 216

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Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
1          5          10          15
Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Val Ala Ile
20          25          30
Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
35          40          45
Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser
50          55          60
Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
65          70          75          80
Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
85          90          95
Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val
100          105

```

<210> 217

<211> 108

<212> PRT

<213> Homo sapiens

761612000240SeqList

<220>

<221> MISC_FEATURE

<223> NKp30 v3 IgC-like

<400> 217

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Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
1          5          10          15
Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
20          25          30
Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
35          40          45
Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Val Pro Leu Ala Ser
50          55          60
Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
65          70          75          80
Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
85          90          95
Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val
100          105

```

<210> 218

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> NKp30 v4 IgC-like

<400> 218

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Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
1          5          10          15
Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
20          25          30
Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
35          40          45
Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Pro
50          55          60
Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
65          70          75          80
Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
85          90          95
Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val
100          105

```

<210> 219

761612000240SeqList

<211> 108
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> NKp30 v5 IgC-like

<400> 219
 Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
 1 5 10 15
 Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
 20 25 30
 Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
 35 40 45
 Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser
 50 55 60
 Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
 65 70 75 80
 Arg Gly His Asp Ala Gly Ile Tyr Val Cys Arg Val Glu Val Leu Gly
 85 90 95
 Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val
 100 105

<210> 220
 <211> 99
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD86 WT IgV

<400> 220
 Asn Glu Thr Ala Asp Leu Pro Cys Gln Phe Ala Asn Ser Gln Asn Gln
 1 5 10 15
 Ser Leu Ser Glu Leu Val Val Phe Trp Gln Asp Gln Glu Asn Leu Val
 20 25 30
 Leu Asn Glu Val Tyr Leu Gly Lys Glu Lys Phe Asp Ser Val His Ser
 35 40 45
 Lys Tyr Met Gly Arg Thr Ser Phe Asp Ser Asp Ser Trp Thr Leu Arg
 50 55 60
 Leu His Asn Leu Gln Ile Lys Asp Lys Gly Leu Tyr Gln Cys Ile Ile
 65 70 75 80
 His His Lys Lys Pro Thr Gly Met Ile Arg Ile His Gln Met Asn Ser
 85 90 95
 Glu Leu Ser

761612000240SeqList

<210> 221
 <211> 99
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD86 v1 IgV

<400> 221
 Asn Glu Thr Ala Asp Leu Pro Cys Gln Phe Ala Asn Ser Gln Asn Gln
 1 5 10 15
 Ser Leu Ser Glu Leu Val Val Phe Trp His Asp Gln Glu Asn Leu Val
 20 25 30
 Leu Asn Glu Val Tyr Leu Gly Lys Glu Lys Phe Asp Ser Val His Ser
 35 40 45
 Lys Tyr Met Gly Arg Thr Ser Phe Asp Ser Asp Ser Trp Thr Leu Arg
 50 55 60
 Leu His Asn Leu Gln Ile Lys Asp Lys Gly Leu Tyr Gln Cys Ile Ile
 65 70 75 80
 Leu His Lys Lys Pro Thr Gly Met Ile Arg Ile His His Met Asn Ser
 85 90 95
 Glu Leu Ser

<210> 222
 <211> 99
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD86 v2 IgV

<400> 222
 Asn Glu Thr Ala Asp Leu Pro Cys Gln Phe Ala Asn Ser Gln Asn Gln
 1 5 10 15
 Ser Leu Ser Glu Leu Val Val Phe Trp His Asp Gln Glu Asn Leu Val
 20 25 30
 Leu Asn Glu Val Tyr Leu Gly Lys Glu Lys Phe Asp Ser Val His Ser
 35 40 45
 Lys Tyr Met Gly Arg Thr Ser Phe Asp Ser Asp Ser Trp Thr Leu Arg
 50 55 60
 Leu His Asn Leu Gln Ile Lys Asp Lys Gly Leu Tyr Gln Cys Ile Ile
 65 70 75 80
 His His Lys Lys Pro Thr Gly Met Ile Arg Ile His Gln Met Asn Ser

761612000240SeqList

85

90

95

Glu Leu Ser

<210> 223
 <211> 99
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD86 v3 IgV

<400> 223
 Asn Glu Thr Ala Asp Leu Pro Cys Gln Phe Ala Asn Ser Gln Asn Gln
 1 5 10 15
 Ser Leu Ser Glu Leu Val Val Phe Trp Gln Asp Gln Glu Asn Leu Val
 20 25 30
 Leu Asn Glu Val Tyr Leu Gly Lys Glu Lys Phe Asp Ser Val His Ser
 35 40 45
 Lys Tyr Met Gly Arg Thr Ser Phe Asp Ser Asp Ser Trp Thr Leu Arg
 50 55 60
 Leu His Asn Leu Gln Ile Lys Asp Lys Gly Leu Tyr Gln Cys Ile Ile
 65 70 75 80
 Leu His Lys Lys Pro Thr Gly Met Ile Arg Ile His Gln Met Asn Ser
 85 90 95
 Glu Leu Ser

<210> 224
 <211> 99
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD86 v4 IgV

<400> 224
 Asn Glu Thr Ala Asp Leu Pro Cys Gln Phe Ala Asn Ser Gln Asn Gln
 1 5 10 15
 Ser Leu Ser Glu Leu Val Val Phe Trp Gln Asp Gln Glu Asn Leu Val
 20 25 30
 Leu Asn Glu Val Tyr Leu Gly Lys Glu Lys Phe Asp Ser Val His Ser
 35 40 45
 Lys Tyr Met Gly Arg Thr Ser Phe Asp Ser Asp Ser Trp Thr Leu Arg

761612000240SeqList

50 55 60
 Leu His Asn Leu Gln Ile Lys Asp Lys Gly Leu Tyr Gln Cys Ile Ile
 65 70 75 80
 His His Lys Lys Pro Thr Gly Met Ile Arg Ile His His Met Asn Ser
 85 90 95
 Glu Leu Ser

<210> 225
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> VH signal peptide

<400> 225
 Met Gly Ser Thr Ala Ile Leu Ala Leu Leu Leu Ala Val Leu Gln Gly
 1 5 10 15
 Val Ser Ala

<210> 226
 <211> 232
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> IgG1 Fc

<400> 226
 Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
 1 5 10 15
 Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
 20 25 30
 Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
 35 40 45
 Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
 50 55 60
 Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
 65 70 75 80
 Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
 85 90 95
 Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala

761612000240SeqList

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      100      105      110
Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
      115      120      125
Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr
      130      135      140
Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
145      150      155      160
Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
      165      170      175
Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
      180      185      190
Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
      195      200      205
Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
      210      215      220
Ser Leu Ser Leu Ser Pro Gly Lys
225      230

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<210> 227
<211> 235
<212> PRT
<213> Homo sapiens

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<220>
<221> MISC_FEATURE
<223> IgG2 Fc

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<400> 227
Thr Lys Val Asp Lys Thr Val Glu Arg Lys Cys Cys Val Glu Cys Pro
1      5      10      15
Pro Cys Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro
      20      25      30
Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
      35      40      45
Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln Phe Asn
      50      55      60
Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
65      70      75      80
Glu Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val Leu Thr Val
      85      90      95
Val His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
      100      105      110
Asn Lys Gly Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys
      115      120      125
Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu
      130      135      140
Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe

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761612000240SeqList

145					150					155					160	
Tyr	Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	
				165					170					175		
Asn	Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Met	Leu	Asp	Ser	Asp	Gly	Ser	Phe	
				180					185					190		
Phe	Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	
				195					200					205		
Asn	Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	
				210					215					220		
Thr	Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys						
				225					230					235		

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<210> 228
<211> 15
<212> PRT
<213> Homo sapiens
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<220>
<221> MISC_FEATURE
<223> IgV-IgV linker
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<400> 228
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210>	229
<211>	10
<212>	PRT
<213>	Artificial Sequence

<220>
<223> IgV-Fc linker 1

<400> 229
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10

$\langle 210 \rangle$	230
$\langle 211 \rangle$	13
$\langle 212 \rangle$	PRT
$\langle 213 \rangle$	Artificial Sequence

<220>
<223> IgV-Fc linker 2

761612000240SeqList

<400> 230
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Ala Ala
 1 5 10

<210> 231
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 WT linker 1

<400> 231
 Lys Ala Asp Phe Pro Thr Pro Ser Ile Ser Asp Phe Glu Ile Pro
 1 5 10 15

<210> 232
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD80 WT linker 2

<400> 232
 Thr Thr Lys Gln Glu His Phe Pro Asp Asn
 1 5 10

<210> 233
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL WT linker 1

<400> 233
 Val Thr Leu His Val Ala Ala Asn Phe Ser Val
 1 5 10

<210> 234
 <211> 29
 <212> PRT
 <213> Artificial Sequence

761612000240SeqList

<220>

<223> ICOSL WT linker 2

<400> 234

Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile	Thr
1				5					10					15	
Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr			
			20					25							

<210> 235

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> NKp30 WT linker 1

<400> 235

Val	Glu	Lys	Glu	His	Pro	Gln	Leu	Gly
1				5				

<210> 236

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> CD86 WT linker 1

<400> 236

Ala	Pro	Leu	Lys	Ile	Gln	Ala	Tyr	Phe
1				5				

<210> 237

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> CD86 WT linker 2

<400> 237

Val	Leu	Ala	Asn	Phe	Ser	Gln	Pro	Glu	Ile	Val	Pro	Ile	Ser	Asn	Ile
1				5					10					15	

761612000240SeqList

Thr Glu

<210> 238
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD86 WT linker 3

<400> 238
 Arg Leu Leu Ser Ser Pro Phe Ser Ile Glu Leu Glu Asp Pro Gln Pro
 1 5 10 15
 Pro Pro Asp His Ile Pro
 20

<210> 239
 <211> 238
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> ICOSL v35 ECD

<400> 239
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Glu Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160

761612000240SeqList

Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
165 170 175
Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
180 185 190
Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
195 200 205
Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
210 215 220
Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
225 230 235

<210> 240
<211> 111
<212> PRT
<213> Artificial Sequence

<220>
<223> ICOSL v35 IgV

<400> 240
Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
1 5 10 15
Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
20 25 30
Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
35 40 45
Ile Pro Gln Ser Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
50 55 60
Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
65 70 75 80
Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
85 90 95
Val Leu Ser Gln Ser Leu Glu Phe Gln Glu Val Leu Ser Val Glu
100 105 110

<210> 241
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<223> CD155 IgV

<400> 241
Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Pro Gly

761612000240SeqList

1				5				10					15			
Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Tyr	Leu	Gln	Val	Pro	Asn	
			20					25					30			
Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg	His	Gly	Glu	
		35					40					45				
Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Pro	Ser	Tyr	Ser	
	50					55				60						
Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Leu	Gly	Ala	Glu	Leu	
65					70					75					80	
Arg	Asn	Ala	Ser	Leu	Arg	Met	Phe	Gly	Leu	Arg	Val	Glu	Asp	Glu	Gly	
			85					90					95			
Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser	Arg	Ser	Val	
			100					105					110			
Asp	Ile	Trp	Leu													
			115													

<210> 242
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v1 ECD

<400> 242

Trp	Pro	Pro	Pro	Gly	Thr	Gly	Asp	Val	Val	Val	Gln	Ala	Pro	Thr	Gln	
1				5				10					15			
Val	Ser	Gly	Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Tyr	Leu	Gln	
			20					25				30				
Val	Pro	Asn	Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg	
		35					40					45				
His	Gly	Glu	Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Ser	
	50					55				60						
Ser	Tyr	Ser	Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Leu	Gly	
65					70					75					80	
Ala	Glu	Leu	Arg	Asn	Ala	Ser	Leu	Arg	Met	Ser	Gly	Leu	Arg	Val	Glu	
			85					90					95			
Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser	
			100					105					110			
Arg	Ser	Val	Asp	Ile	Trp	Leu	Arg	Val	Leu	Ala	Lys	Pro	Gln	Asn	Thr	
		115					120					125				
Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro	Val	Pro	Met	Ala	
	130					135					140					
Arg	Cys	Val	Ser	Thr	Gly	Gly	Arg	Pro	Pro	Ala	Gln	Ile	Thr	Trp	His	
145					150					155					160	
Ser	Asp	Leu	Gly	Gly	Met	Pro	Asn	Thr	Ser	Gln	Val	Pro	Gly	Phe	Leu	
				165					170						175	

761612000240SeqList

Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
180 185 190
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
195 200 205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
210 215 220
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
225 230 235 240
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
245 250 255
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
260 265 270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
275 280 285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
290 295 300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
305 310 315 320
Ser Arg Asn

<210> 243
<211> 323
<212> PRT
<213> Artificial Sequence

<220>
<223> CD155 v2 ECD

<400> 243
Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
1 5 10 15
Val Ser Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
20 25 30
Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
35 40 45
His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
50 55 60
Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
65 70 75 80
Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu
85 90 95
Asp Glu Gly Asn Tyr Thr Cys Pro Phe Val Thr Phe Pro Gln Gly Ser
100 105 110
Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
115 120 125
Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala

761612000240SeqList

130		135		140	
Arg Cys Val Ser Thr Gly	Gly Arg Pro Pro Ala Gln Ile Thr Trp His				
145		150		155	160
Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu					
		165		170	175
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser					
		180		185	190
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe					
		195		200	205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro					
		210		215	220
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn					
		225		230	235
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly					
		245		250	255
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala					
		260		265	270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr					
		275		280	285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu					
		290		295	300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile					
		305		310	315
Ser Arg Asn					320

<210> 244
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v3 ECD

<400> 244	
Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln	
1	5 10 15
Val Pro Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln	
	20 25 30
Val Pro Asn Met Glu Val Thr His Val Ser Gln Pro Thr Trp Ala Arg	
	35 40 45
His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro	
	50 55 60
Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly	
65	70 75 80
Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu	
	85 90 95

761612000240SeqList

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Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
    100                      105                      110
Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
    115                      120                      125
Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
    130                      135                      140
Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
    145                      150                      155                      160
Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
    165                      170                      175
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
    180                      185                      190
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
    195                      200                      205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
    210                      215                      220
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
    225                      230                      235                      240
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
    245                      250                      255
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
    260                      265                      270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
    275                      280                      285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
    290                      295                      300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
    305                      310                      315                      320
Ser Arg Asn

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<210> 245

<211> 323

<212> PRT

<213> Artificial Sequence

<220>

<223> CD155 v4 ECD

<400> 245

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Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
1      5      10      15
Val Pro Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
    20      25      30
Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
    35      40      45
His Gly Glu Ser Gly Ser Met Val Val Phe His Gln Thr Gln Gly Pro

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761612000240SeqList

50	55	60													
Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly															
65	70	75	80												
Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu															
	85	90	95												
Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser															
	100	105	110												
Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr															
	115	120	125												
Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala															
	130	135	140												
Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His															
145	150	155	160												
Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu															
	165	170	175												
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser															
	180	185	190												
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe															
	195	200	205												
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro															
	210	215	220												
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn															
225	230	235	240												
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly															
	245	250	255												
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala															
	260	265	270												
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr															
	275	280	285												
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu															
	290	295	300												
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile															
305	310	315	320												
Ser Arg Asn															

<210> 246
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v5 ECD

<400> 246
 Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15

761612000240SeqList

Val	Leu	Gly	Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Tyr	Leu	Gln
			20					25					30		
Val	Pro	Asn	Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg
		35					40					45			
His	Gly	Glu	Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Pro
	50					55					60				
Ser	Tyr	Ser	Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Val	Gly
65					70					75				80	
Ala	Glu	Leu	Arg	Asn	Ala	Ser	Leu	Arg	Met	Ser	Gly	Leu	Arg	Val	Glu
			85						90					95	
Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser
			100					105					110		
Arg	Ser	Val	Asp	Ile	Trp	Leu	Arg	Val	Leu	Ala	Lys	Pro	Gln	Asn	Thr
		115					120					125			
Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro	Val	Pro	Met	Ala
	130					135					140				
Arg	Cys	Val	Ser	Thr	Gly	Gly	Arg	Pro	Pro	Ala	Gln	Ile	Thr	Trp	His
145					150					155				160	
Ser	Asp	Leu	Gly	Gly	Met	Pro	Asn	Thr	Ser	Gln	Val	Pro	Gly	Phe	Leu
			165						170					175	
Ser	Gly	Thr	Val	Thr	Val	Thr	Ser	Leu	Trp	Ile	Leu	Val	Pro	Ser	Ser
		180						185					190		
Gln	Val	Asp	Gly	Lys	Asn	Val	Thr	Cys	Lys	Val	Glu	His	Glu	Ser	Phe
		195				200					205				
Glu	Lys	Pro	Gln	Leu	Leu	Thr	Val	Asn	Leu	Thr	Val	Tyr	Tyr	Pro	Pro
	210					215					220				
Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asn	Asn	Trp	Tyr	Leu	Gly	Gln	Asn
225					230					235				240	
Glu	Ala	Thr	Leu	Thr	Cys	Asp	Ala	Arg	Ser	Asn	Pro	Glu	Pro	Thr	Gly
			245						250					255	
Tyr	Asn	Trp	Ser	Thr	Thr	Met	Gly	Pro	Leu	Pro	Pro	Phe	Ala	Val	Ala
		260						265					270		
Gln	Gly	Ala	Gln	Leu	Leu	Ile	Arg	Pro	Val	Asp	Lys	Pro	Ile	Asn	Thr
	275						280					285			
Thr	Leu	Ile	Cys	Asn	Val	Thr	Asn	Ala	Leu	Gly	Ala	Arg	Gln	Ala	Glu
	290					295				300					
Leu	Thr	Val	Gln	Val	Lys	Glu	Gly	Pro	Pro	Ser	Glu	His	Ser	Gly	Ile
305					310					315				320	
Ser	Arg	Asn													

<210> 247

<211> 323

<212> PRT

<213> Artificial Sequence

<220>

761612000240SeqList

<223> CD155 v6 ECD

<400> 247

Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Ser Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
 115 120 125
 Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
 130 135 140
 Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
 145 150 155 160
 Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
 180 185 190
 Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
 195 200 205
 Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
 210 215 220
 Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240
 Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
 245 250 255
 Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
 260 265 270
 Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
 275 280 285
 Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
 290 295 300
 Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
 305 310 315 320
 Ser Arg Asn

<210> 248

761612000240SeqList

<211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v7 ECD

<400> 248
 Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Thr Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
 115 120 125
 Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
 130 135 140
 Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
 145 150 155 160
 Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
 180 185 190
 Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
 195 200 205
 Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
 210 215 220
 Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240
 Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
 245 250 255
 Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
 260 265 270
 Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
 275 280 285
 Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
 290 295 300
 Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
 305 310 315 320

761612000240SeqList

Ser Arg Asn

<210> 249
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v8 ECD

<400> 249
 Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Thr Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Pro Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
 115 120 125
 Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
 130 135 140
 Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
 145 150 155 160
 Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
 180 185 190
 Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
 195 200 205
 Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
 210 215 220
 Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240
 Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
 245 250 255
 Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
 260 265 270
 Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr

761612000240SeqList

275 280 285
 Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
 290 295 300
 Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
 305 310 315 320
 Ser Arg Asn

<210> 250
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v9 ECD

<400> 250
 Trp Pro Pro Pro Gly Thr Glu Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Thr Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Cys Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
 115 120 125
 Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
 130 135 140
 Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
 145 150 155 160
 Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
 180 185 190
 Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
 195 200 205
 Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
 210 215 220
 Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240

761612000240SeqList

Glu	Ala	Thr	Leu	Thr	Cys	Asp	Ala	Arg	Ser	Asn	Pro	Glu	Pro	Thr	Gly
				245					250					255	
Tyr	Asn	Trp	Ser	Thr	Thr	Met	Gly	Pro	Leu	Pro	Pro	Phe	Ala	Val	Ala
			260					265						270	
Gln	Gly	Ala	Gln	Leu	Leu	Ile	Arg	Pro	Val	Asp	Lys	Pro	Ile	Asn	Thr
		275					280					285			
Thr	Leu	Ile	Cys	Asn	Val	Thr	Asn	Ala	Leu	Gly	Ala	Arg	Gln	Ala	Glu
	290					295					300				
Leu	Thr	Val	Gln	Val	Lys	Glu	Gly	Pro	Pro	Ser	Glu	His	Ser	Gly	Ile
305					310					315					320
Ser	Arg	Asn													

<210> 251
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v10 ECD

<400> 251

Trp	Pro	Pro	Pro	Gly	Thr	Gly	Asp	Val	Val	Val	Gln	Ala	Pro	Thr	Gln
1				5				10						15	
Val	Thr	Gly	Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Tyr	Leu	Gln
			20					25					30		
Val	Pro	Asn	Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg
		35					40					45			
His	Gly	Glu	Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Pro
	50					55					60				
Ser	Tyr	Ser	Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Leu	Gly
65					70					75					80
Ala	Glu	Leu	Arg	Asn	Ala	Ser	Leu	Arg	Met	Ser	Gly	Leu	Arg	Val	Glu
			85						90					95	
Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Asp	Ser
			100					105					110		
Arg	Ser	Val	Asp	Ile	Trp	Leu	Arg	Val	Leu	Ala	Lys	Pro	Gln	Asn	Thr
		115				120						125			
Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro	Val	Pro	Met	Ala
		130				135					140				
Arg	Cys	Val	Ser	Thr	Gly	Gly	Arg	Pro	Pro	Ala	Gln	Ile	Thr	Trp	His
145					150					155					160
Ser	Asp	Leu	Gly	Gly	Met	Pro	Asn	Thr	Ser	Gln	Val	Pro	Gly	Phe	Leu
			165					170						175	
Ser	Gly	Thr	Val	Thr	Val	Thr	Ser	Leu	Trp	Ile	Leu	Val	Pro	Ser	Ser
		180						185					190		
Gln	Val	Asp	Gly	Lys	Asn	Val	Thr	Cys	Lys	Val	Glu	His	Glu	Ser	Phe

761612000240SeqList

195	200	205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro		
210	215	220
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn		
225	230	235
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly		
245	250	255
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala		
260	265	270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr		
275	280	285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu		
290	295	300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile		
305	310	315
Ser Arg Asn		320

<210> 252
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v11 ECD

<400> 252

Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln	
1 5 10 15	
Val Ser Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln	
20 25 30	
Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg	
35 40 45	
His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro	
50 55 60	
Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly	
65 70 75 80	
Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Pro Gly Leu Arg Val Glu	
85 90 95	
Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser	
100 105 110	
Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr	
115 120 125	
Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala	
130 135 140	
Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His	
145 150 155 160	

761612000240SeqList

Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
 180 185 190
 Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
 195 200 205
 Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
 210 215 220
 Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240
 Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
 245 250 255
 Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
 260 265 270
 Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
 275 280 285
 Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
 290 295 300
 Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
 305 310 315 320
 Ser Arg Asn

<210> 253

<211> 323

<212> PRT

<213> Artificial Sequence

<220>

<223> CD155 v12 ECD

<400> 253

Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Thr Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Leu Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr

761612000240SeqList

115	120	125													
Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro	Val	Pro	Met	Ala
130	135	140													
Arg	Cys	Val	Ser	Thr	Gly	Gly	Arg	Pro	Pro	Ala	Gln	Ile	Thr	Trp	His
145	150	155													160
Ser	Asp	Leu	Gly	Gly	Met	Pro	Asn	Thr	Ser	Gln	Val	Pro	Gly	Phe	Leu
	165	170												175	
Ser	Gly	Thr	Val	Thr	Val	Thr	Ser	Leu	Trp	Ile	Leu	Val	Pro	Ser	Ser
	180	185											190		
Gln	Val	Asp	Gly	Lys	Asn	Val	Thr	Cys	Lys	Val	Glu	His	Glu	Ser	Phe
	195	200											205		
Glu	Lys	Pro	Gln	Leu	Leu	Thr	Val	Asn	Leu	Thr	Val	Tyr	Tyr	Pro	Pro
	210	215											220		
Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asn	Asn	Trp	Tyr	Leu	Gly	Gln	Asn
225	230	235													240
Glu	Ala	Thr	Leu	Thr	Cys	Asp	Ala	Arg	Ser	Asn	Pro	Glu	Pro	Thr	Gly
	245	250												255	
Tyr	Asn	Trp	Ser	Thr	Thr	Met	Gly	Pro	Leu	Pro	Pro	Phe	Ala	Val	Ala
	260	265											270		
Gln	Gly	Ala	Gln	Leu	Leu	Ile	Arg	Pro	Val	Asp	Lys	Pro	Ile	Asn	Thr
	275	280										285			
Thr	Leu	Ile	Cys	Asn	Val	Thr	Asn	Ala	Leu	Gly	Ala	Arg	Gln	Ala	Glu
	290	295									300				
Leu	Thr	Val	Gln	Val	Lys	Glu	Gly	Pro	Pro	Ser	Glu	His	Ser	Gly	Ile
305	310	315													320
Ser	Arg	Asn													

<210> 254
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v13 ECD

<400> 254
 Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Ser Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80

761612000240SeqList

Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu
85 90 95
Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
100 105 110
Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
115 120 125
Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
130 135 140
Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
145 150 155 160
Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
165 170 175
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
180 185 190
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
195 200 205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
210 215 220
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
225 230 235 240
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
245 250 255
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
260 265 270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
275 280 285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
290 295 300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
305 310 315 320
Ser Arg Asn

<210> 255
<211> 323
<212> PRT
<213> Artificial Sequence

<220>
<223> CD155 v14 ECD

<400> 255
Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
1 5 10 15
Val Thr Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
20 25 30
Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Ala Trp Ala Arg

761612000240SeqList

35	40	45													
His	Gly	Glu	Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Pro
50						55					60				
Ser	Tyr	Ser	Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Leu	Gly
65					70					75				80	
Ala	Glu	Leu	Arg	Asn	Ala	Ser	Leu	Arg	Met	Ser	Gly	Leu	Arg	Val	Glu
			85						90				95		
Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser
			100					105				110			
Arg	Ser	Val	Asp	Ile	Trp	Leu	Arg	Val	Leu	Ala	Lys	Pro	Gln	Asn	Thr
		115					120					125			
Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro	Val	Pro	Met	Ala
		130					135				140				
Arg	Cys	Val	Ser	Thr	Gly	Gly	Arg	Pro	Pro	Ala	Gln	Ile	Thr	Trp	His
145					150					155				160	
Ser	Asp	Leu	Gly	Gly	Met	Pro	Asn	Thr	Ser	Gln	Val	Pro	Gly	Phe	Leu
			165						170				175		
Ser	Gly	Thr	Val	Thr	Val	Thr	Ser	Leu	Trp	Ile	Leu	Val	Pro	Ser	Ser
		180						185					190		
Gln	Val	Asp	Gly	Lys	Asn	Val	Thr	Cys	Lys	Val	Glu	His	Glu	Ser	Phe
		195					200				205				
Glu	Lys	Pro	Gln	Leu	Leu	Thr	Val	Asn	Leu	Thr	Val	Tyr	Tyr	Pro	Pro
	210					215				220					
Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asn	Asn	Trp	Tyr	Leu	Gly	Gln	Asn
225					230					235				240	
Glu	Ala	Thr	Leu	Thr	Cys	Asp	Ala	Arg	Ser	Asn	Pro	Glu	Pro	Thr	Gly
			245					250					255		
Tyr	Asn	Trp	Ser	Thr	Thr	Met	Gly	Pro	Leu	Pro	Pro	Phe	Ala	Val	Ala
		260					265						270		
Gln	Gly	Ala	Gln	Leu	Leu	Ile	Arg	Pro	Val	Asp	Lys	Pro	Ile	Asn	Thr
	275						280					285			
Thr	Leu	Ile	Cys	Asn	Val	Thr	Asn	Ala	Leu	Gly	Ala	Arg	Gln	Ala	Glu
	290					295				300					
Leu	Thr	Val	Gln	Val	Lys	Glu	Gly	Pro	Pro	Ser	Glu	His	Ser	Gly	Ile
305				310						315				320	
Ser	Arg	Asn													

<210> 256
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v15 ECD

<400> 256

761612000240SeqList

Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Thr Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu His Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
 115 120 125
 Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
 130 135 140
 Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
 145 150 155 160
 Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
 180 185 190
 Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
 195 200 205
 Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
 210 215 220
 Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240
 Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
 245 250 255
 Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
 260 265 270
 Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
 275 280 285
 Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
 290 295 300
 Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
 305 310 315 320
 Ser Arg Asn

<210> 257

<211> 323

<212> PRT

<213> Artificial Sequence

761612000240SeqList

<220>

<223> CD155 v16 ECD

<400> 257

Trp	Pro	Pro	Pro	Gly	Thr	Gly	Asp	Val	Val	Val	Gln	Ala	Pro	Thr	Gln
1				5				10						15	
Val	Ser	Gly	Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Cys	Leu	Gln
		20					25					30			
Val	Pro	Asn	Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg
		35					40					45			
His	Gly	Glu	Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Pro
	50					55				60					
Ser	Tyr	Ser	Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Leu	Gly
65					70				75					80	
Ala	Glu	Leu	Arg	Asn	Ala	Ser	Leu	Arg	Met	Ser	Gly	Leu	Arg	Val	Glu
				85					90					95	
Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser
			100					105					110		
Arg	Ser	Val	Asp	Ile	Trp	Leu	Arg	Val	Leu	Ala	Lys	Pro	Gln	Asn	Thr
		115				120						125			
Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro	Val	Pro	Met	Ala
		130				135					140				
Arg	Cys	Val	Ser	Thr	Gly	Gly	Arg	Pro	Pro	Ala	Gln	Ile	Thr	Trp	His
145					150					155					160
Ser	Asp	Leu	Gly	Gly	Met	Pro	Asn	Thr	Ser	Gln	Val	Pro	Gly	Phe	Leu
				165					170					175	
Ser	Gly	Thr	Val	Thr	Val	Thr	Ser	Leu	Trp	Ile	Leu	Val	Pro	Ser	Ser
		180						185					190		
Gln	Val	Asp	Gly	Lys	Asn	Val	Thr	Cys	Lys	Val	Glu	His	Glu	Ser	Phe
		195					200					205			
Glu	Lys	Pro	Gln	Leu	Leu	Thr	Val	Asn	Leu	Thr	Val	Tyr	Tyr	Pro	Pro
	210					215					220				
Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asn	Asn	Trp	Tyr	Leu	Gly	Gln	Asn
225					230					235					240
Glu	Ala	Thr	Leu	Thr	Cys	Asp	Ala	Arg	Ser	Asn	Pro	Glu	Pro	Thr	Gly
				245					250					255	
Tyr	Asn	Trp	Ser	Thr	Thr	Met	Gly	Pro	Leu	Pro	Pro	Phe	Ala	Val	Ala
			260				265						270		
Gln	Gly	Ala	Gln	Leu	Leu	Ile	Arg	Pro	Val	Asp	Lys	Pro	Ile	Asn	Thr
		275					280					285			
Thr	Leu	Ile	Cys	Asn	Val	Thr	Asn	Ala	Leu	Gly	Ala	Arg	Gln	Ala	Glu
	290					295					300				
Leu	Thr	Val	Gln	Val	Lys	Glu	Gly	Pro	Pro	Ser	Glu	His	Ser	Gly	Ile
305					310					315					320
Ser	Arg	Asn													

761612000240SeqList

<210> 258
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v17 ECD

<400> 258
 Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Pro Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Val Glu Pro Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
 115 120 125
 Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
 130 135 140
 Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
 145 150 155 160
 Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
 180 185 190
 Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
 195 200 205
 Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
 210 215 220
 Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240
 Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
 245 250 255
 Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
 260 265 270
 Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
 275 280 285
 Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
 290 295 300

761612000240SeqList

Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
 305 310 315 320
 Ser Arg Asn

<210> 259
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v18 ECD

<400> 259
 Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
 1 5 10 15
 Val Pro Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Ala Glu Leu Arg Asn Ala Ser Pro Arg Met Phe Gly Leu Arg Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
 115 120 125
 Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
 130 135 140
 Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
 145 150 155 160
 Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
 180 185 190
 Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
 195 200 205
 Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
 210 215 220
 Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240
 Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
 245 250 255
 Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala

761612000240SeqList

	260		265		270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr					
	275		280		285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu					
	290		295		300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile					
305		310		315	320
Ser Arg Asn					

<210> 260
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v19 ECD

<400> 260

Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln					
1	5		10		15
Val Pro Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln					
	20		25		30
Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg					
	35		40		45
His Gly Glu Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro					
	50		55		60
Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly					
65		70		75	80
Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Phe Gly Leu His Val Glu					
	85		90		95
Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser					
	100		105		110
Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr					
	115		120		125
Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala					
	130		135		140
Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His					
145		150		155	160
Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu					
	165		170		175
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser					
	180		185		190
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe					
	195		200		205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro					
	210		215		220

761612000240SeqList

Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
 225 230 235 240
 Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
 245 250 255
 Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
 260 265 270
 Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
 275 280 285
 Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
 290 295 300
 Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
 305 310 315 320
 Ser Arg Asn

<210> 261
 <211> 323
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v20 ECD

<400> 261
 Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Glu Pro Thr Gln
 1 5 10 15
 Val Ser Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
 20 25 30
 Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
 35 40 45
 His Gly Glu Ser Gly Ser Met Val Val Phe His Gln Thr Gln Gly Pro
 50 55 60
 Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
 65 70 75 80
 Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu
 85 90 95
 Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser
 100 105 110
 Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr
 115 120 125
 Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala
 130 135 140
 Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
 145 150 155 160
 Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
 165 170 175
 Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser

761612000240SeqList

			180				185				190				
Gln	Val	Asp	Gly	Lys	Asn	Val	Thr	Cys	Lys	Val	Glu	His	Glu	Ser	Phe
			195				200				205				
Glu	Lys	Pro	Gln	Leu	Leu	Thr	Val	Asn	Leu	Thr	Val	Tyr	Tyr	Pro	Pro
			210				215				220				
Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asn	Asn	Trp	Tyr	Leu	Gly	Gln	Asn
225				230				235				240			
Glu	Ala	Thr	Leu	Thr	Cys	Asp	Ala	Arg	Ser	Asn	Pro	Glu	Pro	Thr	Gly
			245				250				255				
Tyr	Asn	Trp	Ser	Thr	Thr	Met	Gly	Pro	Leu	Pro	Pro	Phe	Ala	Val	Ala
			260				265				270				
Gln	Gly	Ala	Gln	Leu	Leu	Ile	Arg	Pro	Val	Asp	Lys	Pro	Ile	Asn	Thr
			275				280				285				
Thr	Leu	Ile	Cys	Asn	Val	Thr	Asn	Ala	Leu	Gly	Ala	Arg	Gln	Ala	Glu
			290				295				300				
Leu	Thr	Val	Gln	Val	Lys	Glu	Gly	Pro	Pro	Ser	Glu	His	Ser	Gly	Ile
305				310				315				320			
Ser	Arg	Asn													

<210>	262
<211>	323
<212>	PRT
<213>	Artificial Sequence

<220>
<223> CD155 v21 ECD

<400>	262														
Trp	Pro	Pro	Pro		Thr	Gly	Asp	Val	Val	Val	Gln	Ala	Pro	Thr	Gln
1				5				10						15	
Val	Thr	Gly	Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Tyr	Leu	Gln
		20						25					30		
Val	Pro	Asn	Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg
		35					40					45			
His	Gly	Glu	Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Pro
	50					55					60				
Ser	Tyr	Ser	Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Leu	Gly
65					70					75				80	
Ala	Glu	Leu	Arg	Asn	Ala	Ser	Leu	Arg	Met	Ser	Gly	Leu	Arg	Val	Glu
				85					90					95	
Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser
			100					105					110		
Arg	Ser	Ala	Asp	Ile	Trp	Leu	Arg	Val	Leu	Ala	Lys	Pro	Gln	Asn	Thr
		115					120					125			
Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro	Val	Pro	Met	Ala
	130					135					140				

761612000240SeqList

```

Arg Cys Val Ser Thr Gly Gly Arg Pro Pro Ala Gln Ile Thr Trp His
145          150          155          160
Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu
          165          170          175
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser
          180          185          190
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe
          195          200          205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro
          210          215          220
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn
225          230          235          240
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly
          245          250          255
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala
          260          265          270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr
          275          280          285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu
          290          295          300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile
305          310          315          320
Ser Arg Asn

```

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<210> 263
<211> 323
<212> PRT
<213> Artificial Sequence

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<220>
<223> CD155 v22 ECD

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```

<400> 263
Trp Pro Pro Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln
1          5          10          15
Val Thr Gly Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln
          20          25          30
Val Pro Asn Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg
          35          40          45
His Gly Glu Ser Gly Ser Met Ala Val Phe His Lys Thr Gln Gly Pro
          50          55          60
Ser Tyr Ser Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly
65          70          75          80
Ala Glu Leu Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu
          85          90          95
Asp Glu Gly Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser

```

761612000240SeqList

100	105	110
Arg Ser Val Asp Ile Trp Leu Arg Val Leu Ala Lys Pro Gln Asn Thr		
115	120	125
Ala Glu Val Gln Lys Val Gln Leu Thr Gly Glu Pro Val Pro Met Ala		
130	135	140
Arg Cys Val Ser Thr Gly Arg Pro Pro Ala Gln Ile Thr Trp His		
145	150	155
Ser Asp Leu Gly Gly Met Pro Asn Thr Ser Gln Val Pro Gly Phe Leu		
165	170	175
Ser Gly Thr Val Thr Val Thr Ser Leu Trp Ile Leu Val Pro Ser Ser		
180	185	190
Gln Val Asp Gly Lys Asn Val Thr Cys Lys Val Glu His Glu Ser Phe		
195	200	205
Glu Lys Pro Gln Leu Leu Thr Val Asn Leu Thr Val Tyr Tyr Pro Pro		
210	215	220
Glu Val Ser Ile Ser Gly Tyr Asp Asn Asn Trp Tyr Leu Gly Gln Asn		
225	230	235
Glu Ala Thr Leu Thr Cys Asp Ala Arg Ser Asn Pro Glu Pro Thr Gly		
245	250	255
Tyr Asn Trp Ser Thr Thr Met Gly Pro Leu Pro Pro Phe Ala Val Ala		
260	265	270
Gln Gly Ala Gln Leu Leu Ile Arg Pro Val Asp Lys Pro Ile Asn Thr		
275	280	285
Thr Leu Ile Cys Asn Val Thr Asn Ala Leu Gly Ala Arg Gln Ala Glu		
290	295	300
Leu Thr Val Gln Val Lys Glu Gly Pro Pro Ser Glu His Ser Gly Ile		
305	310	315
Ser Arg Asn		

<210> 264
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v1 IgV

<400> 264
 Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Ser Gly
 1 5 10 15
 Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Ser Ser Tyr Ser
 50 55 60

761612000240SeqList

Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 265
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v2 IgV

<400> 265
 Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Ser Gly
 1 5 10 15
 Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
 50 55 60
 Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Pro Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 266
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v3 IgV

<400> 266
 Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Pro Gly
 1 5 10 15

761612000240SeqList

Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Ser Gln Pro Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
 50 55 60
 Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 267
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v4 IgV

<400> 267
 Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Pro Gly
 1 5 10 15
 Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Val Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
 50 55 60
 Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 268
 <211> 116
 <212> PRT
 <213> Artificial Sequence

761612000240SeqList

<220>

<223> CD155 v5 IgV

<400> 268

```

Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Leu Gly
1      5      10      15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
20     25     30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
35     40     45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
50     55     60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Val Gly Ala Glu Leu
65     70     75     80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
85     90     95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
100    105    110
Asp Ile Trp Leu
115

```

<210> 269

<211> 116

<212> PRT

<213> Artificial Sequence

<220>

<223> CD155 v6 IgV

<400> 269

```

Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Ser Gly
1      5      10      15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
20     25     30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
35     40     45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
50     55     60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65     70     75     80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
85     90     95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
100    105    110
Asp Ile Trp Leu
115

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761612000240SeqList

<210> 270
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v7 IgV

<400> 270
 Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Thr Gly
 1 5 10 15
 Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
 50 55 60
 Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 271
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v8 IgV

<400> 271
 Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Thr Gly
 1 5 10 15
 Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Pro Gln Leu Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
 50 55 60
 Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly

761612000240SeqList

				85					90					95			
Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser	Arg	Ser	Val		
			100					105					110				
Asp	Ile	Trp	Leu														
			115														

<210> 272
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v9 IgV

<400> 272

Pro	Gly	Thr	Glu	Asp	Val	Val	Val	Gln	Ala	Pro	Thr	Gln	Val	Thr	Gly		
1				5				10					15				
Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Cys	Leu	Gln	Val	Pro	Asn		
			20					25					30				
Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg	His	Gly	Glu		
			35				40					45					
Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Pro	Ser	Tyr	Ser		
			50			55					60						
Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Leu	Gly	Ala	Glu	Leu		
65					70					75				80			
Arg	Asn	Ala	Ser	Leu	Arg	Met	Ser	Gly	Leu	Arg	Val	Glu	Asp	Glu	Gly		
				85					90					95			
Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser	Arg	Ser	Val		
			100					105					110				
Asp	Ile	Trp	Leu														
			115														

<210> 273
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v10 IgV

<400> 273

Pro	Gly	Thr	Gly	Asp	Val	Val	Val	Gln	Ala	Pro	Thr	Gln	Val	Thr	Gly		
1				5				10					15				
Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Tyr	Leu	Gln	Val	Pro	Asn		
			20					25					30				
Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg	His	Gly	Glu		

761612000240SeqList

```

      35              40              45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
      50              55              60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65      70              75              80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
      85              90              95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Asp Ser Arg Ser Val
      100             105             110
Asp Ile Trp Leu
      115

```

<210> 274
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v11 IgV

```

<400> 274
Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Ser Gly
1      5      10      15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
      20      25      30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
      35      40      45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
      50      55      60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65      70      75      80
Arg Asn Ala Ser Leu Arg Met Pro Gly Leu Arg Val Glu Asp Glu Gly
      85      90      95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
      100     105     110
Asp Ile Trp Leu
      115

```

<210> 275
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v12 IgV

761612000240SeqList

<400> 275

```

Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Thr Gly
1      5      10      15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
20     25     30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
35     40     45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
50     55     60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65     70     75     80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
85     90     95
Asn Tyr Thr Cys Leu Phe Val Thr Leu Pro Gln Gly Ser Arg Ser Val
100    105    110
Asp Ile Trp Leu
115

```

<210> 276

<211> 116

<212> PRT

<213> Artificial Sequence

<220>

<223> CD155 v13 IgV

<400> 276

```

Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Ser Gly
1      5      10      15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
20     25     30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
35     40     45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
50     55     60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65     70     75     80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
85     90     95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
100    105    110
Asp Ile Trp Leu
115

```

<210> 277

<211> 116

761612000240SeqList

<212> PRT

<213> Artificial Sequence

<220>

<223> CD155 v14 IgV

<400> 277

```

Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Thr Gly
1          5          10          15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
          20          25          30
Met Glu Val Thr His Val Ser Gln Leu Ala Trp Ala Arg His Gly Glu
          35          40          45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
          50          55          60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65          70          75          80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
          85          90          95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
          100          105          110
Asp Ile Trp Leu
          115

```

<210> 278

<211> 116

<212> PRT

<213> Artificial Sequence

<220>

<223> CD155 v15 IgV

<400> 278

```

Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Thr Gly
1          5          10          15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
          20          25          30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
          35          40          45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
          50          55          60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65          70          75          80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu His Val Glu Asp Glu Gly
          85          90          95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
          100          105          110

```


761612000240SeqList

Asp Ile Trp Leu
115

<210> 279
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> CD155 v16 IgV

<400> 279
Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Ser Gly
1 5 10 15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Cys Leu Gln Val Pro Asn
20 25 30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
35 40 45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
50 55 60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65 70 75 80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
85 90 95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
100 105 110
Asp Ile Trp Leu
115

<210> 280
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> CD155 v17 IgV

<400> 280
Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Pro Gly
1 5 10 15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
20 25 30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
35 40 45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
50 55 60

761612000240SeqList

Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Val Glu Pro
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 281
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v18 IgV

<400> 281
 Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Pro Gly
 1 5 10 15
 Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
 50 55 60
 Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Pro Arg Met Phe Gly Leu Arg Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 282
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v19 IgV

<400> 282
 Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Pro Gly
 1 5 10 15

761612000240SeqList

Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
 50 55 60
 Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Phe Gly Leu His Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 283
 <211> 116
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD155 v20 IgV

<400> 283
 Pro Gly Thr Gly Asp Val Val Val Gln Glu Pro Thr Gln Val Ser Gly
 1 5 10 15
 Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
 20 25 30
 Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
 35 40 45
 Ser Gly Ser Met Val Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
 50 55 60
 Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
 65 70 75 80
 Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
 85 90 95
 Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
 100 105 110
 Asp Ile Trp Leu
 115

<210> 284
 <211> 116
 <212> PRT
 <213> Artificial Sequence

761612000240SeqList

<220>

<223> CD155 v21 IgV

<400> 284

```

Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Thr Gly
1      5      10      15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
20     25     30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
35     40     45
Ser Gly Ser Met Ala Val Phe His Gln Thr Gln Gly Pro Ser Tyr Ser
50     55     60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65     70     75     80
Arg Asn Ala Ser Leu Arg Met Ser Gly Leu Arg Val Glu Asp Glu Gly
85     90     95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Ala
100    105    110
Asp Ile Trp Leu
115

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<210> 285

<211> 116

<212> PRT

<213> Artificial Sequence

<220>

<223> CD155 v22 IgV

<400> 285

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Pro Gly Thr Gly Asp Val Val Val Gln Ala Pro Thr Gln Val Thr Gly
1      5      10      15
Phe Leu Gly Asp Ser Val Thr Leu Pro Cys Tyr Leu Gln Val Pro Asn
20     25     30
Met Glu Val Thr His Val Ser Gln Leu Thr Trp Ala Arg His Gly Glu
35     40     45
Ser Gly Ser Met Ala Val Phe His Lys Thr Gln Gly Pro Ser Tyr Ser
50     55     60
Glu Ser Lys Arg Leu Glu Phe Val Ala Ala Arg Leu Gly Ala Glu Leu
65     70     75     80
Arg Asn Ala Ser Leu Arg Met Phe Gly Leu Arg Val Glu Asp Glu Gly
85     90     95
Asn Tyr Thr Cys Leu Phe Val Thr Phe Pro Gln Gly Ser Arg Ser Val
100    105    110
Asp Ile Trp Leu
115

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761612000240SeqList

<210> 286
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> CD112 IgV

<400> 286
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 287
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v1 ECD

<400> 287
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80

761612000240SeqList

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Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
      85                      90                      95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
      100                    105                    110
Thr Phe Pro Lys Asp Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
      115                    120                    125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
      130                    135                    140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
      145                    150                    155                    160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
      165                    170                    175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
      180                    185                    190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
      195                    200                    205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
      210                    215                    220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
      225                    230                    235                    240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
      245                    250                    255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
      260                    265                    270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
      275                    280                    285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
      290                    295                    300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
      305                    310                    315                    320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
      325

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<210> 288

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v2 ECD

<400> 288

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Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1          5          10          15
Gly Thr Ala Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
      20          25          30
His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His

```

761612000240SeqList

35	40	45													
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Gly
50	55	60													
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Gly
65	70	75													
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
	85	90													
His	Ser	Leu	Thr	Val	Glu	Asp	Glu	Gly	Tyr	Tyr	Thr	Cys	Glu	Phe	Val
	100	105													
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile
	115	120													
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln
	130	135													
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro
145	150	155													
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr
	165	170													
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe
	180	185													
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys
	195	200													
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu
	210	215													
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn
225	230	235													
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser
	245	250													
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe
	260	265													
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
	275	280													
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
	290	295													
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
305	310	315													
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
	325														

<210> 289
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v3 ECD

<400> 289

761612000240SeqList

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Pro
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 290

<211> 329

<212> PRT

<213> Artificial Sequence

761612000240SeqList

<220>

<223> CD112 v4 ECD

<400> 290

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55					60				
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70					75				80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Val	Leu
				85					90					95	
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Ile
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile
		115					120					125			
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln
	130					135					140				
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro
145					150					155					160
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr
				165					170					175	
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe
			180					185					190		
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys
		195					200					205			
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu
	210					215					220				
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn
225					230					235					240
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser
				245					250					255	
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe
			260					265					270		
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
		275					280					285			
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
	290					295					300				
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
305					310					315					320
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
				325											

761612000240SeqList

<210> 291
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v5 ECD

<400> 291
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Ser Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300

761612000240SeqList

Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 292
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v6 ECD

<400> 292
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Ala Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Asn Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Ala Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe

761612000240SeqList

<div> <div>260</div> <div>265</div> <div>270</div> </div>															
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
<div> <div>275</div> <div>280</div> <div>285</div> </div>															
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
<div> <div>290</div> <div>295</div> <div>300</div> </div>															
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
<div> <div>305</div> <div>310</div> <div>315</div> <div>320</div> </div>															
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
<div> <div>325</div> </div>															

<210>	293
<211>	329
<212>	PRT
<213>	Artificial Sequence

<220>
<223> CD112 v7 ECD

<400> 293															
Gln 1	Asp	Val	Arg	Val 5	Gln	Val	Leu	Pro	Glu 10	Val	Arg	Gly	Gln	Leu 15	Gly
Gly	Thr	Val	Glu 20	Leu	Pro	Cys	His	Leu 25	Leu	Pro	Pro	Val	Pro 30	Gly	Leu
Tyr	Ile	Ser 35	Leu	Val	Thr	Trp	Gln 40	Arg	Pro	Asp	Ala	Pro 45	Ala	Asn	His
Gln	Asn 50	Val	Ala	Ala	Phe	His 55	Pro	Lys	Met	Gly	Pro 60	Ser	Phe	Pro	Ser
Pro 65	Lys	Pro	Gly	Ser	Glu 70	Arg	Leu	Ser	Phe	Val 75	Ser	Ala	Lys	Gln 80	Ser
Thr	Gly	Gln	Asp	Thr 85	Glu	Ala	Glu	Leu	Gln 90	Asp	Ala	Thr	Leu 95	Ala	Leu
His	Gly	Leu	Thr 100	Val	Glu	Asp	Glu	Gly 105	Asn	Tyr	Thr	Cys	Glu 110	Phe	Ala
Thr	Phe	Pro 115	Lys	Gly	Phe	Val	Arg	Gly 120	Met	Thr	Trp	Leu	Arg 125	Val	Ile
Ala	Lys 130	Pro	Lys	Asn	Gln	Ala 135	Glu	Ala	Gln	Lys	Val 140	Thr	Phe	Ser	Gln
Asp 145	Pro	Thr	Thr	Val	Ala 150	Leu	Cys	Ile	Ser	Lys 155	Glu	Gly	Arg	Pro 160	Pro
Ala	Arg	Ile	Ser	Trp 165	Leu	Ser	Ser	Leu	Asp 170	Trp	Glu	Ala	Lys 175	Glu	Thr
Gln	Val	Ser	Gly 180	Thr	Leu	Ala	Gly	Thr 185	Val	Thr	Val	Thr	Ser 190	Arg	Phe
Thr	Leu	Val 195	Pro	Ser	Gly	Arg	Ala 200	Asp	Gly	Val	Thr	Val 205	Thr	Cys	Lys
Val	Glu 210	His	Glu	Ser	Phe	Glu	Glu 215	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu

761612000240SeqList

Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 294
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v8 ECD

<400> 294

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn Tyr
 35 40 45
 Gln Asn Val Ala Ala Ser His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Phe Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe

761612000240SeqList

	180		185		190										
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys
	195		200		205										
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu
	210		215		220										
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn
225			230		235		240								
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser
	245		250		255										
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe
	260		265		270										
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
	275		280		285										
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
	290		295		300										
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
305			310		315		320								
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
	325														

<210> 295
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v9 ECD

<400> 295

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Trp	Gly	Gln	Leu	Gly
1			5				10						15		
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
		20					25						30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
	35					40					45				
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50				55					60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Arg	Ser
65				70					75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
			85						90					95	
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Ala
		100						105					110		
Thr	Phe	Pro	Lys	Gly	Phe	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile
	115					120						125			
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln
	130					135					140				

761612000240SeqList

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Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145          150          155          160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
          165          170          175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
          180          185          190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
          195          200          205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
          210          215          220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225          230          235          240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
          245          250          255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
          260          265          270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
          275          280          285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
          290          295          300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305          310          315          320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
          325

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<210> 296
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v10 ECD

<400> 296

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Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1          5          10          15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
          20          25          30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
          35          40          45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
          50          55          60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65          70          75          80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
          85          90          95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala

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761612000240SeqList

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      100      105      110
Ser Phe Pro Lys Gly Tyr Val Arg Gly Met Thr Trp Leu Arg Val Ile
      115      120      125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
      130      135      140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145      150      155      160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
      165      170      175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
      180      185      190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
      195      200      205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
      210      215      220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225      230      235      240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
      245      250      255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
      260      265      270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
      275      280      285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
      290      295      300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305      310      315      320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
      325

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<210> 297

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v11 ECD

<400> 297

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Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1      5      10      15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
      20      25      30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
      35      40      45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
50      55      60

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761612000240SeqList

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Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65      70      75      80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
      85      90      95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
      100     105     110
Thr Phe Pro Lys Gly Tyr Val Arg Gly Met Thr Trp Leu Arg Val Ile
      115     120     125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
      130     135     140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145      150     155     160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
      165     170     175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
      180     185     190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
      195     200     205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
      210     215     220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225      230     235     240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
      245     250     255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
      260     265     270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
      275     280     285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
      290     295     300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305      310     315     320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
      325

```

<210> 298
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v12 ECD

<400> 298
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu

761612000240SeqList

20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Ile Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Tyr Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 299

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v13 ECD

761612000240SeqList

<400> 299

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Ile Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Phe Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 300

<211> 329

761612000240SeqList

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v14 ECD

<400> 300

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Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1      5      10      15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
20      25      30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
35      40      45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
50      55      60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65      70      75      80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Thr Pro
85      90      95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
100     105     110
Thr Phe Pro Lys Gly Tyr Val Arg Gly Met Thr Trp Leu Arg Val Ile
115     120     125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
130     135     140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145     150     155     160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
165     170     175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
180     185     190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
195     200     205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
210     215     220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225     230     235     240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
245     250     255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
260     265     270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
275     280     285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
290     295     300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305     310     315     320
Thr Ala Gly Ala Gly Ala Thr Gly Gly

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<210> 301
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v15 ECD

<400> 301
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Ser Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285

761612000240SeqList

Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 302
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v16 ECD

<400> 302
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser

761612000240SeqList

				245				250					255			
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe	
			260					265					270			
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val	
		275					280					285				
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val	
	290					295					300					
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn	
305					310					315					320	
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly								
				325												

<210> 303

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v17 ECD

<400> 303

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly	
1			5						10					15		
Gly	Ser	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu	
		20						25					30			
His	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His	
		35				40					45					
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser	
	50					55				60						
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser	
65					70					75				80		
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu	
			85						90					95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val	
		100						105					110			
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile	
		115					120					125				
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln	
	130					135					140					
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro	
145					150					155					160	
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr	
			165						170					175		
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe	
		180						185					190			
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys	
		195					200						205			

761612000240SeqList

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Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210                215                220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225                230                235                240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
                245                250                255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
                260                265                270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
                275                280                285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
                290                295                300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305                310                315                320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
                325

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<210> 304
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v18 ECD

<400> 304

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Gln Asp Val Arg Val Gln Val Leu Ser Glu Val Arg Gly Gln Leu Gly
1          5          10          15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
          20          25          30
His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Ser His
          35          40          45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
          50          55          60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65          70          75          80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
          85          90          95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
          100         105         110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
          115         120         125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
          130         135         140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145         150         155         160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr

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761612000240SeqList

				165					170					175			
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe		
			180						185					190			
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys		
		195					200						205				
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu		
	210					215					220						
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn		
225				230					235						240		
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser		
			245						250					255			
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe		
		260						265					270				
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val		
	275						280					285					
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val		
	290				295						300						
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn		
305				310						315					320		
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly									
			325														

<210> 305

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v19 ECD

<400> 305

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly		
1				5					10					15			
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu		
		20						25					30				
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Ser	Asp	Ala	Pro	Ala	Asn	His		
	35					40					45						
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser		
	50				55					60							
Pro	Lys	His	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser		
65				70					75					80			
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu		
			85					90					95				
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val		
		100					105					110					
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile		
		115					120					125					

761612000240SeqList

Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 306

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v20 ECD

<400> 306

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Leu Pro Val Pro Gly Pro
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Ser Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu

761612000240SeqList

				85					90					95			
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val		
				100					105					110			
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile		
			115					120					125				
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln		
			130				135					140					
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro		
145					150				155					160			
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr		
			165						170					175			
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe		
			180					185					190				
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys		
			195				200					205					
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu		
			210				215					220					
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn		
225					230					235				240			
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser		
			245					250					255				
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe		
			260					265					270				
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val		
			275				280					285					
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val		
			290			295					300						
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn		
305				310					315					320			
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly									
				325													

<210> 307
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v21 ECD

<400> 307
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45

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Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Asp Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 308

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v22 ECD

<400> 308

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly

761612000240SeqList

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1           5           10           15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
20           25           30
His Ile Pro Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
35           40           45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
50           55           60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65           70           75           80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
85           90           95
His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
100          105          110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
115          120          125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
130          135          140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145          150          155          160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
165          170          175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
180          185          190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
195          200          205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
210          215          220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225          230          235          240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
245          250          255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
260          265          270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
275          280          285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
290          295          300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305          310          315          320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
325

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<210> 309

<211> 329

<212> PRT

<213> Artificial Sequence

761612000240SeqList

<220>

<223> CD112 v23 ECD

<400> 309

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Pro
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Ser	Asp	Ala	Pro	Ala	Asn	His
		35					40				45				
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55					60				
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70					75				80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90					95	
His	Gly	Leu	Ala	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile
		115					120					125			
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln
	130					135					140				
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro
145					150					155				160	
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr
				165					170					175	
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe
			180					185					190		
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys
	195						200					205			
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu
	210					215					220				
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn
225					230					235				240	
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser
				245					250					255	
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe
			260					265					270		
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
		275					280					285			
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
	290					295					300				
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
305					310					315				320	
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
				325											

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<210> 310
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v24 ECD

<400> 310
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Ser Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Ser Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Ile Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn

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305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 311
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v25 ECD

<400> 311
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Lys His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270

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Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 312
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v26 ECD

<400> 312
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn

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225		230		235		240									
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser
		245		250		255									
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe
		260		265		270									
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
		275		280		285									
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
		290		295		300									
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
305				310		315									320
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
				325											

<210> 313
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v27 ECD

<400> 313

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1		5		10		15									
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
		20		25		30									
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
		35		40		45									
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
		50		55		60									
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Arg	Gln	Ser
65				70		75								80	
Thr	Gly	Gln	Gly	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
		85		90		95									
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
		100		105		110									
Thr	Ser	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile
		115		120		125									
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln
		130		135		140									
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro
145				150		155									160
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr
		165		170		175									
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe
		180		185		190									

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Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
  195                200                205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
  210                215                220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
  225                230                235                240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
                245                250                255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
  260                265                270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
  275                280                285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
  290                295                300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
  305                310                315                320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
                325

```

<210> 314

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v28 ECD

<400> 314

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Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
  1          5          10          15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
  20          25          30
His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Lys His
  35          40          45
Gln Asn Val Ala Ala Leu His Pro Lys Met Gly Pro Ser Phe Pro Ser
  50          55          60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
  65          70          75          80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
  85          90          95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
  100         105         110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
  115         120         125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
  130         135         140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro

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145          150          155          160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
          165          170          175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
          180          185          190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
          195          200          205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
          210          215          220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225          230          235          240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
          245          250          255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
          260          265          270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
          275          280          285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
          290          295          300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305          310          315          320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
          325

```

```

<210> 315
<211> 329
<212> PRT
<213> Artificial Sequence

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<220>
<223> CD112 v29 ECD

```

```

<400> 315
Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1          5          10          15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
          20          25          30
His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
          35          40          45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
          50          55          60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65          70          75          80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
          85          90          95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
          100          105          110

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761612000240SeqList

```

Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
    115                120                125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
    130                135                140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145                150                155                160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
    165                170                175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
    180                185                190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
    195                200                205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
    210                215                220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225                230                235                240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
    245                250                255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
    260                265                270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
    275                280                285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
    290                295                300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305                310                315                320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
    325

```

<210> 316
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v30 ECD

<400> 316

```

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1          5          10          15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
    20          25          30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
    35          40          45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
    50          55          60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser

```

761612000240SeqList

```

65          70          75          80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Val Leu
      85          90          95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
      100         105         110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
      115         120         125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
      130         135         140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145          150         155         160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
      165         170         175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
      180         185         190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
      195         200         205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
      210         215         220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225          230         235         240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
      245         250         255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
      260         265         270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
      275         280         285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
      290         295         300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
305          310         315         320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
      325

```

<210> 317

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v31 ECD

<400> 317

```

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
1          5          10         15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
      20          25          30

```

761612000240SeqList

```

Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
   35           40           45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
   50           55           60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
  65           70           75           80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
           85           90           95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
  100          105          110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
  115          120          125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
  130          135          140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145          150          155          160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
           165          170          175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
  180          185          190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195          200          205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210          215          220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225          230          235          240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
           245          250          255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260          265          270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275          280          285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290          295          300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305          310          315          320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
           325

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<210> 318

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v32 ECD

761612000240SeqList

<400> 318

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Ser Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 319

<211> 329

<212> PRT

761612000240SeqList

<213> Artificial Sequence

<220>

<223> CD112 v33 ECD

<400> 319

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Met Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

761612000240SeqList

<210> 320
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v34 ECD

<400> 320
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Thr Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val

761612000240SeqList

290		295	300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn			
305	310	315	320
Thr Ala Gly Ala Gly Ala Thr Gly Gly			
325			

<210> 321
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v35 ECD

<400> 321

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly		
1	5	10
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu		
20	25	30
His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His		
35	40	45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser		
50	55	60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser		
65	70	75
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu		
85	90	95
His Gly Leu Thr Ala Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val		
100	105	110
Thr Phe Ser Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile		
115	120	125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln		
130	135	140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro		
145	150	155
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr		
165	170	175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe		
180	185	190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys		
195	200	205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu		
210	215	220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn		
225	230	235
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser		
245	250	255

761612000240SeqList

Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 322

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v36 ECD

<400> 322

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys Arg Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Asn Trp Gln Arg Pro Gly Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu

761612000240SeqList

210	215	220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn		
225	230	235
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser		
245	250	255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe		
260	265	270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val		
275	280	285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val		
290	295	300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn		
305	310	315
Thr Ala Gly Ala Gly Ala Thr Gly Gly		320
325		

<210> 323
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v37 ECD

<400> 323

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly	
1	5
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu	
20	25
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His	
35	40
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser	
50	55
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser	
65	70
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu	
85	90
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val	
100	105
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile	
115	120
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln	
130	135
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro	
145	150
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr	
165	170
	175

761612000240SeqList

Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe
			180					185					190		
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys
		195					200					205			
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu
		210				215					220				
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn
225					230				235						240
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser
			245					250						255	
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe
		260						265					270		
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
		275					280					285			
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
	290					295					300				
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
305					310					315					320
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
				325											

<210> 324
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v38 ECD

<400> 324

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Ala	Pro	Val	Pro	Gly	Leu
		20						25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
	35					40					45				
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
			85					90					95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
		100					105					110			
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile
		115					120					125			
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln

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130	135	140															
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro		
145					150					155					160		
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr		
				165					170					175			
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe		
			180					185					190				
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys		
	195					200					205						
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu		
	210					215					220						
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn		
225				230					235					240			
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser		
				245					250					255			
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe		
			260				265						270				
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val		
	275						280					285					
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val		
	290				295						300						
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn		
305				310					315					320			
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly									
				325													

<210> 325
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v39 ECD

<400> 325

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90					95	

761612000240SeqList

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His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
    100                      105                      110
Thr Phe Pro Lys Gly Thr Val Arg Gly Met Thr Trp Leu Arg Val Ile
    115                      120                      125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
    130                      135                      140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
    145                      150                      155                      160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
    165                      170                      175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
    180                      185                      190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
    195                      200                      205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
    210                      215                      220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
    225                      230                      235                      240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
    245                      250                      255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
    260                      265                      270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
    275                      280                      285
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
    290                      295                      300
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
    305                      310                      315                      320
Thr Ala Gly Ala Gly Ala Thr Gly Gly
    325

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<210> 326

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v40 ECD

<400> 326

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Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
1      5      10      15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
    20      25      30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
    35      40      45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser

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761612000240SeqList

50		55		60	
Pro	Lys	Pro	Gly	Ser	Glu
65		70		75	
Thr	Gly	Gln	Asp	Thr	Glu
		85		90	
His	Gly	Leu	Thr	Val	Glu
		100		105	
Thr	Phe	Pro	Lys	Gly	Ser
		115		120	
Ala	Lys	Pro	Lys	Asn	Gln
		130		135	
Asp	Pro	Thr	Thr	Val	Ala
145				150	
Ala	Arg	Ile	Ser	Trp	Leu
		165		170	
Gln	Val	Ser	Gly	Thr	Leu
		180		185	
Thr	Leu	Val	Pro	Ser	Gly
		195		200	
Val	Glu	His	Glu	Ser	Phe
		210		215	
Ser	Val	Arg	Tyr	Pro	Pro
225				230	
Trp	Tyr	Leu	Gly	Arg	Thr
		245		250	
Asn	Pro	Glu	Pro	Thr	Gly
		260		265	
Pro	Thr	Ser	Ala	Val	Ala
		275		280	
Asp	Ser	Leu	Phe	Asn	Thr
		290		295	
Gly	Met	Gly	Arg	Ala	Glu
305				310	
Thr	Ala	Gly	Ala	Gly	Ala
				325	

<210> 327
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v41 ECD

<400> 327
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15

761612000240SeqList

Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
		50				55					60				
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70					75				80	
Thr	Gly	Lys	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
			85						90				95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Tyr	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile
		115					120					125			
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln
		130				135					140				
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro
145					150					155					160
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr
			165						170					175	
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe
			180					185					190		
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys
		195					200					205			
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu
		210				215					220				
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn
225					230					235					240
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser
			245						250					255	
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe
			260					265					270		
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
		275					280					285			
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
		290				295					300				
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
305					310					315					320
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
					325										

<210> 328

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

761612000240SeqList

<223> CD112 v42 ECD

<400> 328

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Ser Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Thr Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 329

761612000240SeqList

<211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v43 ECD

<400> 329
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Ser Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320

761612000240SeqList

Thr Ala Gly Ala Gly Ala Thr Gly Gly
325

<210> 330
<211> 329
<212> PRT
<213> Artificial Sequence

<220>
<223> CD112 v44 ECD

<400> 330
Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1 5 10 15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Ser Pro Val Pro Gly Leu
20 25 30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
35 40 45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
50 55 60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65 70 75 80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Arg Asp Ala Thr Leu Ala Leu
85 90 95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
100 105 110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
115 120 125
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
130 135 140
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
145 150 155 160
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
165 170 175
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
180 185 190
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
195 200 205
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
210 215 220
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
225 230 235 240
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
245 250 255
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
260 265 270
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val

761612000240SeqList

	275					280					285						
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val		
	290					295					300						
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn		
305					310					315					320		
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly									
				325													

<210> 331
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v45 ECD

<400> 331

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Val	Gly		
1			5						10				15				
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Ala	Pro	Val	Pro	Gly	Leu		
		20					25					30					
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His		
		35				40					45						
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser		
	50					55				60							
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser		
65				70					75					80			
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu		
			85						90					95			
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val		
		100						105					110				
Thr	Phe	Pro	Lys	Gly	Thr	Val	Arg	Gly	Met	Thr	Trp	Leu	Arg	Val	Ile		
		115					120					125					
Ala	Lys	Pro	Lys	Asn	Gln	Ala	Glu	Ala	Gln	Lys	Val	Thr	Phe	Ser	Gln		
	130					135					140						
Asp	Pro	Thr	Thr	Val	Ala	Leu	Cys	Ile	Ser	Lys	Glu	Gly	Arg	Pro	Pro		
145				150					155					160			
Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr		
			165					170					175				
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe		
		180					185						190				
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys		
		195					200					205					
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu		
	210					215					220						
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn		
225				230						235					240		

761612000240SeqList

Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270
 Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly
 325

<210> 332

<211> 329

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v46 ECD

<400> 332

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Ile Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys

761612000240SeqList

195	200	205
Val Glu His Glu Ser Phe	Glu Glu Pro Ala Leu Ile	Pro Val Thr Leu
210	215	220
Ser Val Arg Tyr Pro Pro	Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn	
225	230	235
Trp Tyr Leu Gly Arg Thr	Asp Ala Thr Leu Ser Cys Asp Val Arg Ser	
245	250	255
Asn Pro Glu Pro Thr Gly Tyr	Asp Trp Ser Thr Thr Ser Gly Thr Phe	
260	265	270
Pro Thr Ser Ala Val Ala Gln	Gly Ser Gln Leu Val Ile His Ala Val	
275	280	285
Asp Ser Leu Phe Asn Thr Thr	Phe Val Cys Thr Val Thr Asn Ala Val	
290	295	300
Gly Met Gly Arg Ala Glu Gln	Val Ile Phe Val Arg Glu Thr Pro Asn	
305	310	315
Thr Ala Gly Ala Gly Ala Thr	Gly Gly	
325		

<210> 333
 <211> 329
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v47 ECD

<400> 333

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly	
1	5
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu	
20	25
His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His	
35	40
Gln Asn Val Ala Ala Phe His Leu Lys Met Gly Pro Ser Phe Pro Ser	
50	55
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Met Ser Ala Lys Gln Ser	
65	70
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu	
85	90
His Gly Leu Thr Met Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val	
100	105
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile	
115	120
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln	
130	135
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro	
145	150
	155
	160

761612000240SeqList

Ala	Arg	Ile	Ser	Trp	Leu	Ser	Ser	Leu	Asp	Trp	Glu	Ala	Lys	Glu	Thr
				165					170					175	
Gln	Val	Ser	Gly	Thr	Leu	Ala	Gly	Thr	Val	Thr	Val	Thr	Ser	Arg	Phe
			180					185					190		
Thr	Leu	Val	Pro	Ser	Gly	Arg	Ala	Asp	Gly	Val	Thr	Val	Thr	Cys	Lys
		195					200					205			
Val	Glu	His	Glu	Ser	Phe	Glu	Glu	Pro	Ala	Leu	Ile	Pro	Val	Thr	Leu
	210					215					220				
Ser	Val	Arg	Tyr	Pro	Pro	Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asp	Asn
225				230					235						240
Trp	Tyr	Leu	Gly	Arg	Thr	Asp	Ala	Thr	Leu	Ser	Cys	Asp	Val	Arg	Ser
			245					250					255		
Asn	Pro	Glu	Pro	Thr	Gly	Tyr	Asp	Trp	Ser	Thr	Thr	Ser	Gly	Thr	Phe
		260					265						270		
Pro	Thr	Ser	Ala	Val	Ala	Gln	Gly	Ser	Gln	Leu	Val	Ile	His	Ala	Val
	275					280						285			
Asp	Ser	Leu	Phe	Asn	Thr	Thr	Phe	Val	Cys	Thr	Val	Thr	Asn	Ala	Val
	290				295					300					
Gly	Met	Gly	Arg	Ala	Glu	Gln	Val	Ile	Phe	Val	Arg	Glu	Thr	Pro	Asn
305				310				315							320
Thr	Ala	Gly	Ala	Gly	Ala	Thr	Gly	Gly							
				325											

<210> 334

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v1 IgV

<400> 334

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
		20					25					30			
His	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
	35					40					45				
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50				55				60						
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65				70				75						80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
			85				90						95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
		100					105					110			
Thr	Phe	Pro	Lys	Asp	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			

761612000240SeqList

115

120

125

<210> 335
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v2 IgV

<400> 335
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Ala Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Gly
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Gly
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Ser Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 336
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v3 IgV

<400> 336
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Pro
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser

761612000240SeqList

65				70				75				80			
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85				90					95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 337
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v4 IgV

<400>	337														
Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55					60				
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Val	Leu
				85					90					95	
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Ile
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 338
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v5 IgV

<400>	338														
Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Ser	Val	Pro	Gly	Leu

761612000240SeqList

	20		25		30										
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
	35		40		45										
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50		55		60										
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65			70		75		80								
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
			85		90		95								
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
	100		105		110										
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
	115		120		125										

<210> 339
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v6 IgV

<400>	339														
Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1		5		10		15									
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Ala	Pro	Val	Pro	Gly	Leu
	20		25		30										
Tyr	Ile	Ser	Leu	Val	Asn	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
	35		40		45										
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50		55		60										
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65			70		75		80								
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
			85		90		95								
His	Gly	Leu	Thr	Ala	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
	100		105		110										
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
	115		120		125										

<210> 340
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>

761612000240SeqList

<223> CD112 v7 IgV

<400> 340

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Phe Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 341

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v8 IgV

<400> 341

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn Tyr
 35 40 45
 Gln Asn Val Ala Ala Ser His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Phe Val Arg Gly Met Thr Trp Leu
 115 120 125

761612000240SeqList

<210> 342
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v9 IgV

<400> 342
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Arg Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Phe Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 343
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v10 IgV

<400> 343
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95

761612000240SeqList

His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Ser Phe Pro Lys Gly Tyr Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 344
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v11 IgV

<400> 344
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Tyr Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 345
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v12 IgV

<400> 345
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45

761612000240SeqList

Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
50						55					60				
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70					75				80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90					95	
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Ile	Tyr	Thr	Cys	Glu	Phe	Ala
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Tyr	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 346
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v13 IgV

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10				15		
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
50						55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70					75				80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90					95	
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Ile	Tyr	Thr	Cys	Glu	Phe	Ala
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Phe	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 347
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v14 IgV

<400> 347

761612000240SeqList

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Thr Pro
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Tyr Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 348
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v15 IgV

<400> 348
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Ser Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 349
 <211> 125
 <212> PRT

761612000240SeqList

<213> Artificial Sequence

<220>

<223> CD112 v16 IgV

<400> 349

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
			35				40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85				90					95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Tyr	Tyr	Thr	Cys	Glu	Phe	Val
			100				105					110			
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 350

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v17 IgV

<400> 350

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Ser	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
His	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
			35				40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85				90					95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100				105					110			
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			

761612000240SeqList

115

120

125

<210> 351
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v18 IgV

<400> 351
 Gln Asp Val Arg Val Gln Val Leu Ser Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Ser His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 352
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v19 IgV

<400> 352
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Ser Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys His Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser

761612000240SeqList

65				70				75				80			
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85				90					95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 353
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v20 IgV

<400>	353														
Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Val	Pro	Gly	Pro	
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Ser	Asp	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55					60				
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90					95	
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 354
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v21 IgV

<400>	354														
Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu

761612000240SeqList

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      20      25      30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
      35      40      45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
      50      55      60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65      70      75      80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
      85      90      95
His Asp Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
      100      105      110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
      115      120      125

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<210> 355
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v22 IgV

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<400> 355
Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1      5      10      15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
      20      25      30
His Ile Pro Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
      35      40      45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
      50      55      60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65      70      75      80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
      85      90      95
His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
      100      105      110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
      115      120      125

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<210> 356
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>

761612000240SeqList

<223> CD112 v23 IgV

<400> 356

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Pro
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Ser	Asp	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90					95	
His	Gly	Leu	Ala	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 357

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v24 IgV

<400> 357

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Ser	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Ser	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90					95	
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Ile	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

761612000240SeqList

<210> 358
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v25 IgV

<400> 358
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Lys His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 359
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v26 IgV

<400> 359
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95

761612000240SeqList

His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 360
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v27 IgV

<400> 360
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Arg Gln Ser
 65 70 75 80
 Thr Gly Gln Gly Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Ser Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 361
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v28 IgV

<400> 361
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Lys His
 35 40 45

761612000240SeqList

Gln	Asn	Val	Ala	Ala	Leu	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
50						55					60				
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70					75				80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90				95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 362
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v29 IgV

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10				15		
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
His	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
50						55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70					75				80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90				95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 363
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v30 IgV

<400> 363

761612000240SeqList

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Val Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 364
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v31 IgV

<400> 364
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 365
 <211> 125
 <212> PRT

761612000240SeqList

<213> Artificial Sequence

<220>

<223> CD112 v32 IgV

<400> 365

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Trp	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Ser	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
			35				40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85				90					95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100				105					110			
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 366

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v33 IgV

<400> 366

Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
His	Ile	Ser	Leu	Val	Thr	Trp	Gln	Arg	Pro	Asp	Ala	Pro	Ala	Asn	His
			35				40					45			
Gln	Asn	Met	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55				60					
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85				90					95		
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100				105					110			
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			

761612000240SeqList

115

120

125

<210> 367
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v34 IgV

<400> 367
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Thr Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 368
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v35 IgV

<400> 368
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser

761612000240SeqList

65				70				75				80			
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85				90					95		
His	Gly	Leu	Thr	Ala	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Ser	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 369
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v36 IgV

<400>	369														
Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	Arg	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu
			20					25					30		
Tyr	Ile	Ser	Leu	Val	Asn	Trp	Gln	Arg	Pro	Gly	Ala	Pro	Ala	Asn	His
		35					40					45			
Gln	Asn	Val	Ala	Ala	Phe	His	Pro	Lys	Met	Gly	Pro	Ser	Phe	Pro	Ser
	50					55					60				
Pro	Lys	Pro	Gly	Ser	Glu	Arg	Leu	Ser	Phe	Val	Ser	Ala	Lys	Gln	Ser
65					70				75					80	
Thr	Gly	Gln	Asp	Thr	Glu	Ala	Glu	Leu	Gln	Asp	Ala	Thr	Leu	Ala	Leu
				85					90					95	
His	Gly	Leu	Thr	Val	Glu	Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Glu	Phe	Val
			100					105					110		
Thr	Phe	Pro	Lys	Gly	Ser	Val	Arg	Gly	Met	Thr	Trp	Leu			
		115					120					125			

<210> 370
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v37 IgV

<400>	370														
Gln	Asp	Val	Arg	Val	Gln	Val	Leu	Pro	Glu	Val	Arg	Gly	Gln	Leu	Gly
1				5					10					15	
Gly	Thr	Val	Glu	Leu	Pro	Cys	His	Leu	Leu	Pro	Pro	Val	Pro	Gly	Leu

761612000240SeqList

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      20      25      30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
      35      40      45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
      50      55      60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65      70      75      80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
      85      90      95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
      100      105      110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
      115      120      125

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<210> 371
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v38 IgV

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<400> 371
Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
1      5      10      15
Gly Thr Val Glu Leu Pro Cys His Leu Leu Ala Pro Val Pro Gly Leu
      20      25      30
Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
      35      40      45
Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
      50      55      60
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
65      70      75      80
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
      85      90      95
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
      100      105      110
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
      115      120      125

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<210> 372
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>

761612000240SeqList

<223> CD112 v39 IgV

<400> 372

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Thr Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 373

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v40 IgV

<400> 373

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Ile Thr Trp Leu
 115 120 125

761612000240SeqList

<210> 374
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v41 IgV

<400> 374
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Lys Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 375
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v42 IgV

<400> 375
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Trp Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Ser Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95

761612000240SeqList

His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Thr Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 376
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v43 IgV

<400> 376
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Ser Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 377
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v44 IgV

<400> 377
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Ser Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45

761612000240SeqList

Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Arg Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 378

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v45 IgV

<400> 378

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Val Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Ala Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Thr Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 379

<211> 125

<212> PRT

<213> Artificial Sequence

<220>

<223> CD112 v46 IgV

<400> 379

761612000240SeqList

Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Tyr Tyr Ile Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 380
 <211> 125
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CD112 v47 IgV

<400> 380
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 His Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Leu Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Met Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Met Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Val
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu
 115 120 125

<210> 381
 <211> 254
 <212> PRT

761612000240SeqList

<213> Artificial Sequence

<220>

<223> CD80-TIP I67T/L70Q/A91G/T120S

<400> 381

Val	Ile	His	Val	Thr	Lys	Glu	Val	Lys	Glu	Val	Ala	Thr	Leu	Ser	Cys
1			5						10					15	
Gly	His	Asn	Val	Ser	Val	Glu	Glu	Leu	Ala	Gln	Thr	Arg	Ile	Tyr	Trp
		20						25					30		
Gln	Lys	Glu	Lys	Lys	Met	Val	Leu	Thr	Met	Met	Ser	Gly	Asp	Met	Asn
		35					40					45			
Ile	Trp	Pro	Glu	Tyr	Lys	Asn	Arg	Thr	Ile	Phe	Asp	Ile	Thr	Asn	Asn
	50					55					60				
Leu	Ser	Thr	Val	Ile	Gln	Ala	Leu	Arg	Pro	Ser	Asp	Glu	Gly	Thr	Tyr
65					70					75					80
Glu	Cys	Val	Val	Leu	Lys	Tyr	Glu	Lys	Asp	Gly	Phe	Lys	Arg	Glu	His
				85					90					95	
Leu	Ala	Glu	Val	Thr	Leu	Ser	Val	Lys	Ala	Asp	Phe	Pro	Thr	Pro	Ser
			100					105					110		
Ile	Ser	Asp	Phe	Glu	Ile	Pro	Ser	Ser	Asn	Ile	Arg	Arg	Ile	Ile	Cys
		115					120					125			
Ser	Thr	Ser	Gly	Gly	Phe	Pro	Glu	Pro	His	Leu	Ser	Trp	Leu	Glu	Asn
	130					135					140				
Gly	Glu	Glu	Leu	Asn	Ala	Ile	Asn	Thr	Thr	Val	Ser	Gln	Asp	Pro	Glu
145					150					155					160
Thr	Glu	Leu	Tyr	Ala	Val	Ser	Ser	Lys	Leu	Asp	Phe	Asn	Met	Thr	Thr
				165					170					175	
Asn	His	Ser	Phe	Met	Cys	Leu	Ile	Lys	Tyr	Gly	His	Leu	Arg	Val	Asn
			180					185					190		
Gln	Thr	Phe	Asn	Trp	Asn	Thr	Thr	Lys	Gln	Glu	His	Phe	Pro	Asp	Asn
		195					200					205			
Leu	Leu	Pro	Ser	Trp	Ala	Ile	Thr	Leu	Ile	Ser	Val	Asn	Gly	Ile	Phe
	210					215					220				
Val	Ile	Cys	Cys	Leu	Thr	Tyr	Cys	Phe	Ala	Pro	Arg	Cys	Arg	Glu	Arg
225					230					235					240
Arg	Arg	Asn	Glu	Arg	Leu	Arg	Arg	Glu	Ser	Val	Arg	Pro	Val		
			245					250							

<210> 382

<211> 867

<212> DNA

<213> Artificial Sequence

<220>

<223> CD80-TIP I67T/L70Q/A91G/T120S

761612000240SeqList

<400> 382

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cagctcttgg	tgctggctgg	tctttctcac	ttctgttcag	gtgttatcca	cgtgaccaag	120
gaagtgaaag	aagtggcaac	gctgtcctgt	ggtcacaatg	tttctgttga	agagctggca	180
caaactcgca	tctactggca	aaaggagaag	aaaatgggtgc	tgactatgat	gtctggggac	240
atgaatatat	ggcccagagta	caagaaccgg	accatctttg	atatcactaa	taacctctcc	300
acagtgatcc	aagctctgcg	cccatctgac	gagggcacat	acgagtgtgt	tgttctgaag	360
tatgaaaaag	acggcttcaa	gcgggaacac	ctggctgaag	tgacgttatc	agtcaaagct	420
gacttcccta	cacctagtat	atctgacttt	gaaattccat	cttctaatat	tagaaggata	480
atttgctcaa	cctctggagg	ttttccagag	cctcacctct	cctggttgga	aaatggagaa	540
gaattaaatg	ccatcaacac	aacagtttcc	caagatcctg	aaactgagct	ctatgctgtt	600
agcagcaaac	tggatttcaa	tatgacaacc	aaccacagct	tcatgtgtct	catcaagtat	660
ggacatttaa	gagtgaatca	gaccttcaac	tgggaatacaa	ccaagcaaga	gcattttcct	720
gataacctgc	tcccatacctg	ggccattacc	ttaatctcag	taaatggaat	ttttgtgata	780
tgctgcctga	cctactgctt	tgccccaaga	tgagagagaa	gaaggaggaa	tgagagattg	840
agaagggaaa	gtgtacgccc	tgtataa				867

<210> 383

<211> 284

<212> PRT

<213> Artificial Sequence

<220>

<223> ICOSL-TIP N52H/I143T

<400> 383

Asp	Thr	Gln	Glu	Lys	Glu	Val	Arg	Ala	Met	Val	Gly	Ser	Asp	Val	Glu
1				5					10					15	
Leu	Ser	Cys	Ala	Cys	Pro	Glu	Gly	Ser	Arg	Phe	Asp	Leu	Asn	Asp	Val
			20					25					30		
Tyr	Val	Tyr	Trp	Gln	Thr	Ser	Glu	Ser	Lys	Thr	Val	Val	Thr	Tyr	His
			35				40						45		
Ile	Pro	Gln	His	Ser	Ser	Leu	Glu	Asn	Val	Asp	Ser	Arg	Tyr	Arg	Asn
	50					55				60					
Arg	Ala	Leu	Met	Ser	Pro	Ala	Gly	Met	Leu	Arg	Gly	Asp	Phe	Ser	Leu
65					70				75					80	
Arg	Leu	Phe	Asn	Val	Thr	Pro	Gln	Asp	Glu	Gln	Lys	Phe	His	Cys	Leu
			85					90						95	
Val	Leu	Ser	Gln	Ser	Leu	Gly	Phe	Gln	Glu	Val	Leu	Ser	Val	Glu	Val
			100					105					110		
Thr	Leu	His	Val	Ala	Ala	Asn	Phe	Ser	Val	Pro	Val	Val	Ser	Ala	Pro
		115				120							125		
His	Ser	Pro	Ser	Gln	Asp	Glu	Leu	Thr	Phe	Thr	Cys	Thr	Ser	Thr	Asn
	130					135					140				
Gly	Tyr	Pro	Arg	Pro	Asn	Val	Tyr	Trp	Ile	Asn	Lys	Thr	Asp	Asn	Ser
145					150					155					160
Leu	Leu	Asp	Gln	Ala	Leu	Gln	Asn	Asp	Thr	Val	Phe	Leu	Asn	Met	Arg

761612000240SeqList

	165		170		175										
Gly	Leu	Tyr	Asp	Val	Val	Ser	Val	Leu	Arg	Ile	Ala	Arg	Thr	Pro	Ser
	180		185		190										
Val	Asn	Ile	Gly	Cys	Cys	Ile	Glu	Asn	Val	Leu	Leu	Gln	Gln	Asn	Leu
	195		200		205										
Thr	Val	Gly	Ser	Gln	Thr	Gly	Asn	Asp	Ile	Gly	Glu	Arg	Asp	Lys	Ile
	210		215		220										
Thr	Glu	Asn	Pro	Val	Ser	Thr	Gly	Glu	Lys	Asn	Ala	Ala	Thr	Trp	Ser
225			230		235		240								
Ile	Leu	Ala	Val	Leu	Cys	Leu	Leu	Val	Val	Val	Ala	Val	Ala	Ile	Gly
	245		250		255										
Trp	Val	Cys	Arg	Asp	Arg	Cys	Leu	Gln	His	Ser	Tyr	Ala	Gly	Ala	Trp
	260		265		270										
Ala	Val	Ser	Pro	Glu	Thr	Glu	Leu	Thr	Gly	His	Val				
	275		280												

<210> 384
 <211> 909
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> ICOSL-TIP N52H/I143T

<400> 384
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 gaaggaagcc gttttgattt aaatgatgtt tacgtatatt ggcaaaccag tgagtcgaaa 180
 accgtggtga cctaccacat cccacagcac agctccttgg aaaacgtgga cagccgctac 240
 cggaaccgag ccctgatgtc accggccggc atgctgcggg gcgacttctc cctgcgcttg 300
 ttcaacgtca ccccccagga cgagcagaag ttctactgcc tgggtgttgag ccaatccctg 360
 ggattccagg aggttttgag cgttgagggtt acactgcatg tggcagcaaa cttcagcgtg 420
 cccgtcgtca gcgccccca cagcccctcc caggatgagc tcaccttcac gtgtacatcc 480
 accaacggct accccaggcc caacgtgtac tggatcaata agacggacaa cagcctgctg 540
 gaccaggctc tgcagaatga caccgtcttc ttgaacatgc ggggcttgta tgacgtggtc 600
 agcgtgctga ggatcgcacg gacccccagc gtgaacattg gctgctgcat agagaacgtg 660
 cttctgcagc agaacctgac tgtcggcagc cagacaggaa atgacatcgg agagagagac 720
 aagatcacag agaatccagt cagtaccggc gagaaaaacg cggccacgtg gagcatcctg 780
 gctgtcctgt gcctgcttgt ggtcgtggcg gtggccatag gctgggtgtg cagggaccga 840
 tgctccaac acagctatgc aggtgcctgg gctgtgagtc cggagacaga gctcactggc 900
 cacgtttga 909

<210> 385
 <211> 248
 <212> PRT
 <213> Artificial Sequence

761612000240SeqList

<220>

<223> Anti-CD19 scFv

<400> 385

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Asp Ile Gln Met Thr Gln Thr Thr Ser Ser Leu Ser Ala Ser Leu Gly
1      5      10      15
Asp Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Lys Tyr
20     25     30
Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val Lys Leu Leu Ile
35     40     45
Tyr His Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50     55     60
Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Glu Gln
65     70     75     80
Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Leu Pro Tyr
85     90     95
Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Thr Gly Ser Thr Ser Gly
100    105    110
Ser Gly Lys Pro Gly Ser Gly Glu Gly Ser Thr Lys Gly Glu Val Lys
115    120    125
Leu Gln Glu Ser Gly Pro Gly Leu Val Ala Pro Ser Gln Ser Leu Ser
130    135    140
Val Thr Cys Thr Val Ser Gly Val Ser Leu Pro Asp Tyr Gly Val Ser
145    150    155    160
Trp Ile Arg Gln Pro Pro Arg Lys Gly Leu Glu Trp Leu Gly Val Ile
165    170    175
Trp Gly Ser Glu Thr Thr Tyr Tyr Asn Ser Ala Leu Lys Ser Arg Leu
180    185    190
Thr Ile Ile Lys Asp Asn Ser Lys Ser Gln Val Phe Leu Lys Met Asn
195    200    205
Ser Leu Gln Thr Asp Asp Thr Ala Ile Tyr Tyr Cys Ala Lys His Tyr
210    215    220
Tyr Tyr Gly Gly Ser Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser
225    230    235    240
Val Thr Val Ser Ser Ala Ala Ala
245

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<210> 386

<211> 71

<212> PRT

<213> Artificial Sequence

<220>

<223> CD8-derived hinge and transmembrane domain

<400> 386

761612000240SeqList

Lys Pro Thr Thr Thr Pro Ala Pro Arg Pro Pro Thr Pro Ala Pro Thr
 1 5 10 15
 Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro Glu Ala Ser Arg Pro Ala
 20 25 30
 Ala Gly Gly Ala Val His Thr Arg Gly Leu Asp Phe Ala Ser Asp Ile
 35 40 45
 Tyr Ile Trp Ala Pro Leu Ala Gly Thr Cys Gly Val Leu Leu Leu Ser
 50 55 60
 Leu Val Ile Thr Leu Tyr Cys
 65 70

<210> 387

<211> 112

<212> PRT

<213> Artificial Sequence

<220>

<223> CD3zeta intracellular signaling domain

<400> 387

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 1 5 10 15
 Gln Asn Gln Leu Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr
 20 25 30
 Asp Val Leu Asp Lys Arg Arg Gly Arg Asp Pro Glu Met Gly Gly Lys
 35 40 45
 Pro Arg Arg Lys Asn Pro Gln Glu Gly Leu Tyr Asn Glu Leu Gln Lys
 50 55 60
 Asp Lys Met Ala Glu Ala Tyr Ser Glu Ile Gly Met Lys Gly Glu Arg
 65 70 75 80
 Arg Arg Gly Lys Gly His Asp Gly Leu Tyr Gln Gly Leu Ser Thr Ala
 85 90 95
 Thr Lys Asp Thr Tyr Asp Ala Leu His Met Gln Ala Leu Pro Pro Arg
 100 105 110

<210> 388

<211> 1356

<212> DNA

<213> Artificial Sequence

<220>

<223> AntiCD19x8z chimeric antigen receptor

<400> 388

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 ccggacatcc agatgacaca gactacatcc tccctgtctg cctctctggg agacagagtc 120

761612000240SeqList

accatcagtt	gcagggcaag	tcaggacatt	agtaaatatt	taaattggta	tcagcagaaa	180
ccagatggaa	ctgttaaact	cctgatctac	catacatcaa	gattacactc	aggagtccca	240
tcaaggttca	gtggcagtg	gtctggaaca	gattattctc	tcaccattag	caacctggag	300
caagaagata	ttgccactta	cttttgccaa	cagggttaata	cgcttccgta	cacgttcgga	360
gggggggacta	agttggaaat	aacaggctcc	acctctggat	ccggcaagcc	cggatctggc	420
gagggatcca	ccaagggcga	ggtgaaactg	caggagtcag	gacctggcct	ggtggcgccc	480
tcacagagcc	tgtccgtcac	atgcactgtc	tcaggggtct	cattacccga	ctatggtgta	540
agctggattc	gccagcctcc	acgaaaggg	ctggagtggc	tgggagtaat	atggggtagt	600
gaaaccacat	actataattc	agctctcaaa	tccagactga	ccatcatcaa	ggacaactcc	660
aagagccaag	ttttcttaaa	aatgaacagt	ctgcaaactg	atgacacagc	catttactac	720
tgtgccaaac	attattacta	cggtaggtgc	tatgctatgg	actactgggg	tcaaggaacc	780
tcagtcaccg	tctcctcagc	ggccgcaaag	cccaccacga	cgccagcgcc	gcgaccacca	840
acaccggcgc	ccaccatcgc	gtcgcagccc	ctgtccctgc	gcccagaggc	gagccggcca	900
gcggcgggggg	gcgcagtgca	cacgaggggg	ctggacttcg	ccagtgatat	ctacatctgg	960
gcgcccctgg	ccgggacttg	tggggtcctt	ctcctgtcac	tggttatcac	cctttactgc	1020
agagtgaagt	tcagcaggag	cgcagacgcc	cccgcgtacc	agcaggggcca	gaaccagctc	1080
tataacgagc	tcaatctagg	acgaagagag	gagtacgatg	ttttggacaa	gagacgtggc	1140
cgggaccctg	agatgggggg	aaagccgaga	aggaagaacc	ctcaggaagg	cctgtacaat	1200
gaactgcaga	aagataagat	ggcggaggcc	tacagtgaga	ttgggatgaa	aggcgagcgc	1260
cggagggggca	aggggcacga	tggcctttac	cagggtctca	gtacagccac	caaggacacc	1320
tacgacgccc	ttcacatgca	ggccctgccc	cctcgc			1356

<210> 389
 <211> 63
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> T2A

<400>	389	
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acaatcggtg	acgtcgagga	gaatcctggc
cca		
	60	
	63	

<210> 390
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> T2A

<400>	390	
Gly Ser Gly Glu Gly Arg Gly Ser Leu Leu Thr Cys Gly Asp Val Glu		
1	5	10
Glu Asn Pro Gly Pro		

<210> 391
 <211> 867
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> CD80

<400> 391
 atggggccaca cacggaggca gggaacatca ccatccaagt gtccatacct caattttcttt 60
 cagctccttg tgctggctgg tctttctcac ttctgttcag gtgttatcca cgtgaccaag 120
 gaagtgaaaag aagtggcaac gctgtcctgt ggtcacaatg tttctgttga agagctggca 180
 caaactcgca tctactggca aaaggagaag aaaatgggtgc tgactatgat gtctggggac 240
 atgaatatat ggcccagta caagaaccgg accatctttg atatcactaa taacctctcc 300
 attgtgatcc tggctctgcg cccatctgac gagggcacat acgagtgtgt tgttctgaag 360
 tatgaaaaag acgctttcaa gcgggaacac ctggctgaag tgacgttatc agtcaaagct 420
 gacttcccta cacctagtat atctgacttt gaaattccaa cttctaatat tagaaggata 480
 atttgctcaa cctctggagg ttttccagag cctcacctct cctggttgga aaatggagaa 540
 gaattaaatg ccatcaacac aacagtttcc caagatcctg aaactgagct ctatgctgtt 600
 agcagcaaac tggatttcaa tatgacaacc aaccacagct tcatgtgtct catcaagtat 660
 ggacatttaa gagtgaatca gaccttcaac tgggaatacaa ccaagcaaga gcattttcct 720
 gataacctgc tcccatcctg ggccattacc ttaatctcag taaatggaat ttttgtgata 780
 tgctgcctga cctactgctt tgccccaaga tgcagagaga gaaggaggaa tgagagattg 840
 agaagggaaa gtgtacgccc tgtataa 867

<210> 392
 <211> 909
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> ICOSL

<400> 392
 atgcggctgg gcagtcctgg actgctcttc ctgctcttca gcagccttcg agctgatact 60
 caggagaagg aagtcagagc gatggtaggc agcgacgtgg agctcagctg cgcttgccct 120
 gaaggaagcc gttttgatit aaatgatgtt tacgtatatt ggcaaaccag tgagtcgaaa 180
 accgtggtga cctaccacat cccacagaac agctccttgg aaaacgtgga cagccgctac 240
 cggaaccgag ccctgatgtc accggccggc atgctgcggg gcgacttctc cctgcgcttg 300
 ttcaacgtca ccccccagga cgagcagaag ttctactgcc tgggtgttgag ccaatccctg 360
 ggattccagg aggttttgag cgttgaggtt acactgcatg tggcagcaaa cttcagcgtg 420
 cccgtcgtca gcgccccca cagccccctc caggatgagc tcaccttcac gtgtacatcc 480

761612000240SeqList

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ataaacggct accccaggcc caacgtgtac tggatcaata agacggacaa cagcctgctg 540
gaccaggctc tgcagaatga caccgtcttc ttgaacatgc ggggcttgta tgacgtggtc 600
agcgtgctga ggatcgcacg gacccccagc gtgaacattg gctgctgcat agagaacgtg 660
cttctgcagc agaacctgac tgtcggcagc cagacaggaa atgacatcgg agagagagac 720
aagatcacag agaatccagt cagtaccggc gagaaaaacg cggccacgtg gagcatcctg 780
gctgtcctgt gcctgcttgt ggtcgtggcg gtggccatag gctgggtgtg cagggaccga 840
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cacgtttga 909

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<210> 393
<211> 254
<212> PRT
<213> Homo sapiens

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<220>
<221> MISC_FEATURE
<223> Mature CD80(B7-1)

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<400> 393
Val Ile His Val Thr Lys Glu Val Lys Glu Val Ala Thr Leu Ser Cys
1          5          10          15
Gly His Asn Val Ser Val Glu Glu Leu Ala Gln Thr Arg Ile Tyr Trp
20        25        30
Gln Lys Glu Lys Lys Met Val Leu Thr Met Met Ser Gly Asp Met Asn
35        40        45
Ile Trp Pro Glu Tyr Lys Asn Arg Thr Ile Phe Asp Ile Thr Asn Asn
50        55        60
Leu Ser Ile Val Ile Leu Ala Leu Arg Pro Ser Asp Glu Gly Thr Tyr
65        70        75        80
Glu Cys Val Val Leu Lys Tyr Glu Lys Asp Ala Phe Lys Arg Glu His
85        90        95
Leu Ala Glu Val Thr Leu Ser Val Lys Ala Asp Phe Pro Thr Pro Ser
100       105       110
Ile Ser Asp Phe Glu Ile Pro Thr Ser Asn Ile Arg Arg Ile Ile Cys
115      120      125
Ser Thr Ser Gly Gly Phe Pro Glu Pro His Leu Ser Trp Leu Glu Asn
130      135      140
Gly Glu Glu Leu Asn Ala Ile Asn Thr Thr Val Ser Gln Asp Pro Glu
145      150      155      160
Thr Glu Leu Tyr Ala Val Ser Ser Lys Leu Asp Phe Asn Met Thr Thr
165      170      175
Asn His Ser Phe Met Cys Leu Ile Lys Tyr Gly His Leu Arg Val Asn
180      185      190
Gln Thr Phe Asn Trp Asn Thr Thr Lys Gln Glu His Phe Pro Asp Asn
195      200      205
Leu Leu Pro Ser Trp Ala Ile Thr Leu Ile Ser Val Asn Gly Ile Phe
210      215      220

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761612000240SeqList

Val Ile Cys Cys Leu Thr Tyr Cys Phe Ala Pro Arg Cys Arg Glu Arg
 225 230 235 240
 Arg Arg Asn Glu Arg Leu Arg Arg Glu Ser Val Arg Pro Val
 245 250

<210> 394
 <211> 306
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature CD86(B7-2)

<400> 394
 Ala Pro Leu Lys Ile Gln Ala Tyr Phe Asn Glu Thr Ala Asp Leu Pro
 1 5 10 15
 Cys Gln Phe Ala Asn Ser Gln Asn Gln Ser Leu Ser Glu Leu Val Val
 20 25 30
 Phe Trp Gln Asp Gln Glu Asn Leu Val Leu Asn Glu Val Tyr Leu Gly
 35 40 45
 Lys Glu Lys Phe Asp Ser Val His Ser Lys Tyr Met Gly Arg Thr Ser
 50 55 60
 Phe Asp Ser Asp Ser Trp Thr Leu Arg Leu His Asn Leu Gln Ile Lys
 65 70 75 80
 Asp Lys Gly Leu Tyr Gln Cys Ile Ile His His Lys Lys Pro Thr Gly
 85 90 95
 Met Ile Arg Ile His Gln Met Asn Ser Glu Leu Ser Val Leu Ala Asn
 100 105 110
 Phe Ser Gln Pro Glu Ile Val Pro Ile Ser Asn Ile Thr Glu Asn Val
 115 120 125
 Tyr Ile Asn Leu Thr Cys Ser Ser Ile His Gly Tyr Pro Glu Pro Lys
 130 135 140
 Lys Met Ser Val Leu Leu Arg Thr Lys Asn Ser Thr Ile Glu Tyr Asp
 145 150 155 160
 Gly Val Met Gln Lys Ser Gln Asp Asn Val Thr Glu Leu Tyr Asp Val
 165 170 175
 Ser Ile Ser Leu Ser Val Ser Phe Pro Asp Val Thr Ser Asn Met Thr
 180 185 190
 Ile Phe Cys Ile Leu Glu Thr Asp Lys Thr Arg Leu Leu Ser Ser Pro
 195 200 205
 Phe Ser Ile Glu Leu Glu Asp Pro Gln Pro Pro Pro Asp His Ile Pro
 210 215 220
 Trp Ile Thr Ala Val Leu Pro Thr Val Ile Ile Cys Val Met Val Phe
 225 230 235 240
 Cys Leu Ile Leu Trp Lys Trp Lys Lys Lys Lys Arg Pro Arg Asn Ser
 245 250 255

761612000240SeqList

Tyr	Lys	Cys	Gly	Thr	Asn	Thr	Met	Glu	Arg	Glu	Glu	Ser	Glu	Gln	Thr
			260					265					270		
Lys	Lys	Arg	Glu	Lys	Ile	His	Ile	Pro	Glu	Arg	Ser	Asp	Glu	Ala	Gln
		275					280					285			
Arg	Val	Phe	Lys	Ser	Ser	Lys	Thr	Ser	Ser	Cys	Asp	Lys	Ser	Asp	Thr
	290					295					300				
Cys	Phe														
305															

<210> 395
 <211> 272
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature CD274 (PD-L1, B7-H1)

<400> 395

Phe	Thr	Val	Thr	Val	Pro	Lys	Asp	Leu	Tyr	Val	Val	Glu	Tyr	Gly	Ser
1			5					10						15	
Asn	Met	Thr	Ile	Glu	Cys	Lys	Phe	Pro	Val	Glu	Lys	Gln	Leu	Asp	Leu
		20					25					30			
Ala	Ala	Leu	Ile	Val	Tyr	Trp	Glu	Met	Glu	Asp	Lys	Asn	Ile	Ile	Gln
		35				40						45			
Phe	Val	His	Gly	Glu	Glu	Asp	Leu	Lys	Val	Gln	His	Ser	Ser	Tyr	Arg
	50				55					60					
Gln	Arg	Ala	Arg	Leu	Leu	Lys	Asp	Gln	Leu	Ser	Leu	Gly	Asn	Ala	Ala
65				70					75					80	
Leu	Gln	Ile	Thr	Asp	Val	Lys	Leu	Gln	Asp	Ala	Gly	Val	Tyr	Arg	Cys
			85					90					95		
Met	Ile	Ser	Tyr	Gly	Gly	Ala	Asp	Tyr	Lys	Arg	Ile	Thr	Val	Lys	Val
		100					105						110		
Asn	Ala	Pro	Tyr	Asn	Lys	Ile	Asn	Gln	Arg	Ile	Leu	Val	Val	Asp	Pro
	115					120						125			
Val	Thr	Ser	Glu	His	Glu	Leu	Thr	Cys	Gln	Ala	Glu	Gly	Tyr	Pro	Lys
	130				135						140				
Ala	Glu	Val	Ile	Trp	Thr	Ser	Ser	Asp	His	Gln	Val	Leu	Ser	Gly	Lys
145				150					155					160	
Thr	Thr	Thr	Thr	Asn	Ser	Lys	Arg	Glu	Glu	Lys	Leu	Phe	Asn	Val	Thr
			165					170					175		
Ser	Thr	Leu	Arg	Ile	Asn	Thr	Thr	Thr	Asn	Glu	Ile	Phe	Tyr	Cys	Thr
		180				185						190			
Phe	Arg	Arg	Leu	Asp	Pro	Glu	Glu	Asn	His	Thr	Ala	Glu	Leu	Val	Ile
	195					200						205			
Pro	Glu	Leu	Pro	Leu	Ala	His	Pro	Pro	Asn	Glu	Arg	Thr	His	Leu	Val
	210					215					220				

761612000240SeqList

Ile	Leu	Gly	Ala	Ile	Leu	Leu	Cys	Leu	Gly	Val	Ala	Leu	Thr	Phe	Ile
225					230					235					240
Phe	Arg	Leu	Arg	Lys	Gly	Arg	Met	Met	Asp	Val	Lys	Lys	Cys	Gly	Ile
				245					250					255	
Gln	Asp	Thr	Asn	Ser	Lys	Lys	Gln	Ser	Asp	Thr	His	Leu	Glu	Glu	Thr
			260					265					270		

<210> 396
 <211> 254
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature PDCD1LG2(PD-L2, CD273)

<400> 396

Leu	Phe	Thr	Val	Thr	Val	Pro	Lys	Glu	Leu	Tyr	Ile	Ile	Glu	His	Gly
1			5					10					15		
Ser	Asn	Val	Thr	Leu	Glu	Cys	Asn	Phe	Asp	Thr	Gly	Ser	His	Val	Asn
		20					25					30			
Leu	Gly	Ala	Ile	Thr	Ala	Ser	Leu	Gln	Lys	Val	Glu	Asn	Asp	Thr	Ser
	35					40					45				
Pro	His	Arg	Glu	Arg	Ala	Thr	Leu	Leu	Glu	Glu	Gln	Leu	Pro	Leu	Gly
	50				55						60				
Lys	Ala	Ser	Phe	His	Ile	Pro	Gln	Val	Gln	Val	Arg	Asp	Glu	Gly	Gln
65				70					75					80	
Tyr	Gln	Cys	Ile	Ile	Ile	Tyr	Gly	Val	Ala	Trp	Asp	Tyr	Lys	Tyr	Leu
			85					90					95		
Thr	Leu	Lys	Val	Lys	Ala	Ser	Tyr	Arg	Lys	Ile	Asn	Thr	His	Ile	Leu
	100						105					110			
Lys	Val	Pro	Glu	Thr	Asp	Glu	Val	Glu	Leu	Thr	Cys	Gln	Ala	Thr	Gly
	115					120					125				
Tyr	Pro	Leu	Ala	Glu	Val	Ser	Trp	Pro	Asn	Val	Ser	Val	Pro	Ala	Asn
	130					135				140					
Thr	Ser	His	Ser	Arg	Thr	Pro	Glu	Gly	Leu	Tyr	Gln	Val	Thr	Ser	Val
145				150					155					160	
Leu	Arg	Leu	Lys	Pro	Pro	Pro	Gly	Arg	Asn	Phe	Ser	Cys	Val	Phe	Trp
			165				170						175		
Asn	Thr	His	Val	Arg	Glu	Leu	Thr	Leu	Ala	Ser	Ile	Asp	Leu	Gln	Ser
		180					185					190			
Gln	Met	Glu	Pro	Arg	Thr	His	Pro	Thr	Trp	Leu	Leu	His	Ile	Phe	Ile
	195					200					205				
Pro	Phe	Cys	Ile	Ile	Ala	Phe	Ile	Phe	Ile	Ala	Thr	Val	Ile	Ala	Leu
	210				215					220					
Arg	Lys	Gln	Leu	Cys	Gln	Lys	Leu	Tyr	Ser	Ser	Lys	Asp	Thr	Thr	Lys
225				230					235						240

761612000240SeqList

Arg Pro Val Thr Thr Thr Lys Arg Glu Val Asn Ser Ala Ile
 245 250

<210> 397
 <211> 284
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature ICOSLG(B7RP1, CD275, ICOSL, B7-H2)

<400> 397
 Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp Val Glu
 1 5 10 15
 Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn Asp Val
 20 25 30
 Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr Tyr His
 35 40 45
 Ile Pro Gln Asn Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr Arg Asn
 50 55 60
 Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe Ser Leu
 65 70 75 80
 Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His Cys Leu
 85 90 95
 Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Val Glu Val
 100 105 110
 Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser Ala Pro
 115 120 125
 His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser Ile Asn
 130 135 140
 Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp Asn Ser
 145 150 155 160
 Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn Met Arg
 165 170 175
 Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr Pro Ser
 180 185 190
 Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln Asn Leu
 195 200 205
 Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp Lys Ile
 210 215 220
 Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr Trp Ser
 225 230 235 240
 Ile Leu Ala Val Leu Cys Leu Leu Val Val Val Ala Val Ala Ile Gly
 245 250 255
 Trp Val Cys Arg Asp Arg Cys Leu Gln His Ser Tyr Ala Gly Ala Trp
 260 265 270

761612000240SeqList

Ala Val Ser Pro Glu Thr Glu Leu Thr Gly His Val
 275 280

<210> 398
 <211> 506
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature CD276(B7-H3)

<400> 398
 Leu Glu Val Gln Val Pro Glu Asp Pro Val Val Ala Leu Val Gly Thr
 1 5 10 15
 Asp Ala Thr Leu Cys Cys Ser Phe Ser Pro Glu Pro Gly Phe Ser Leu
 20 25 30
 Ala Gln Leu Asn Leu Ile Trp Gln Leu Thr Asp Thr Lys Gln Leu Val
 35 40 45
 His Ser Phe Ala Glu Gly Gln Asp Gln Gly Ser Ala Tyr Ala Asn Arg
 50 55 60
 Thr Ala Leu Phe Pro Asp Leu Leu Ala Gln Gly Asn Ala Ser Leu Arg
 65 70 75 80
 Leu Gln Arg Val Arg Val Ala Asp Glu Gly Ser Phe Thr Cys Phe Val
 85 90 95
 Ser Ile Arg Asp Phe Gly Ser Ala Ala Val Ser Leu Gln Val Ala Ala
 100 105 110
 Pro Tyr Ser Lys Pro Ser Met Thr Leu Glu Pro Asn Lys Asp Leu Arg
 115 120 125
 Pro Gly Asp Thr Val Thr Ile Thr Cys Ser Ser Tyr Gln Gly Tyr Pro
 130 135 140
 Glu Ala Glu Val Phe Trp Gln Asp Gly Gln Gly Val Pro Leu Thr Gly
 145 150 155 160
 Asn Val Thr Thr Ser Gln Met Ala Asn Glu Gln Gly Leu Phe Asp Val
 165 170 175
 His Ser Ile Leu Arg Val Val Leu Gly Ala Asn Gly Thr Tyr Ser Cys
 180 185 190
 Leu Val Arg Asn Pro Val Leu Gln Gln Asp Ala His Ser Ser Val Thr
 195 200 205
 Ile Thr Pro Gln Arg Ser Pro Thr Gly Ala Val Glu Val Gln Val Pro
 210 215 220
 Glu Asp Pro Val Val Ala Leu Val Gly Thr Asp Ala Thr Leu Arg Cys
 225 230 235 240
 Ser Phe Ser Pro Glu Pro Gly Phe Ser Leu Ala Gln Leu Asn Leu Ile
 245 250 255
 Trp Gln Leu Thr Asp Thr Lys Gln Leu Val His Ser Phe Thr Glu Gly
 260 265 270

761612000240SeqList

Arg Asp Gln Gly Ser Ala Tyr Ala Asn Arg Thr Ala Leu Phe Pro Asp
 275 280 285
 Leu Leu Ala Gln Gly Asn Ala Ser Leu Arg Leu Gln Arg Val Arg Val
 290 295 300
 Ala Asp Glu Gly Ser Phe Thr Cys Phe Val Ser Ile Arg Asp Phe Gly
 305 310 315 320
 Ser Ala Ala Val Ser Leu Gln Val Ala Ala Pro Tyr Ser Lys Pro Ser
 325 330 335
 Met Thr Leu Glu Pro Asn Lys Asp Leu Arg Pro Gly Asp Thr Val Thr
 340 345 350
 Ile Thr Cys Ser Ser Tyr Arg Gly Tyr Pro Glu Ala Glu Val Phe Trp
 355 360 365
 Gln Asp Gly Gln Gly Val Pro Leu Thr Gly Asn Val Thr Thr Ser Gln
 370 375 380
 Met Ala Asn Glu Gln Gly Leu Phe Asp Val His Ser Val Leu Arg Val
 385 390 395 400
 Val Leu Gly Ala Asn Gly Thr Tyr Ser Cys Leu Val Arg Asn Pro Val
 405 410 415
 Leu Gln Gln Asp Ala His Gly Ser Val Thr Ile Thr Gly Gln Pro Met
 420 425 430
 Thr Phe Pro Pro Glu Ala Leu Trp Val Thr Val Gly Leu Ser Val Cys
 435 440 445
 Leu Ile Ala Leu Leu Val Ala Leu Ala Phe Val Cys Trp Arg Lys Ile
 450 455 460
 Lys Gln Ser Cys Glu Glu Glu Asn Ala Gly Ala Glu Asp Gln Asp Gly
 465 470 475 480
 Glu Gly Glu Gly Ser Lys Thr Ala Leu Gln Pro Leu Lys His Ser Asp
 485 490 495
 Ser Lys Glu Asp Asp Gly Gln Glu Ile Ala
 500 505

<210> 399

<211> 258

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> Mature VTCN1(B7-H4)

<400> 399

Leu Ile Ile Gly Phe Gly Ile Ser Gly Arg His Ser Ile Thr Val Thr
 1 5 10 15
 Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile Leu Ser Cys
 20 25 30
 Thr Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile Val Ile Gln Trp Leu
 35 40 45

761612000240SeqList

Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu Gly Lys Asp
50 55 60
Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr Ala Val Phe
65 70 75 80
Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu Lys Asn Val
85 90 95
Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile Thr Ser Lys
100 105 110
Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala Phe Ser Met
115 120 125
Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr Leu Arg Cys
130 135 140
Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp Ala Ser Gln
145 150 155 160
Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser Asn Thr Ser Phe Glu
165 170 175
Leu Asn Ser Glu Asn Val Thr Met Lys Val Val Ser Val Leu Tyr Asn
180 185 190
Val Thr Ile Asn Asn Thr Tyr Ser Cys Met Ile Glu Asn Asp Ile Ala
195 200 205
Lys Ala Thr Gly Asp Ile Lys Val Thr Glu Ser Glu Ile Lys Arg Arg
210 215 220
Ser His Leu Gln Leu Leu Asn Ser Lys Ala Ser Leu Cys Val Ser Ser
225 230 235 240
Phe Phe Ala Ile Ser Trp Ala Leu Leu Pro Leu Ser Pro Tyr Leu Met
245 250 255
Leu Lys

<210> 400
<211> 202
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<223> Mature CD28

<400> 400
Asn Lys Ile Leu Val Lys Gln Ser Pro Met Leu Val Ala Tyr Asp Asn
1 5 10 15
Ala Val Asn Leu Ser Cys Lys Tyr Ser Tyr Asn Leu Phe Ser Arg Glu
20 25 30
Phe Arg Ala Ser Leu His Lys Gly Leu Asp Ser Ala Val Glu Val Cys
35 40 45
Val Val Tyr Gly Asn Tyr Ser Gln Gln Leu Gln Val Tyr Ser Lys Thr
50 55 60

761612000240SeqList

Gly	Phe	Asn	Cys	Asp	Gly	Lys	Leu	Gly	Asn	Glu	Ser	Val	Thr	Phe	Tyr
65					70				75						80
Leu	Gln	Asn	Leu	Tyr	Val	Asn	Gln	Thr	Asp	Ile	Tyr	Phe	Cys	Lys	Ile
				85					90					95	
Glu	Val	Met	Tyr	Pro	Pro	Pro	Tyr	Leu	Asp	Asn	Glu	Lys	Ser	Asn	Gly
			100					105					110		
Thr	Ile	Ile	His	Val	Lys	Gly	Lys	His	Leu	Cys	Pro	Ser	Pro	Leu	Phe
		115				120						125			
Pro	Gly	Pro	Ser	Lys	Pro	Phe	Trp	Val	Leu	Val	Val	Val	Gly	Gly	Val
	130					135					140				
Leu	Ala	Cys	Tyr	Ser	Leu	Leu	Val	Thr	Val	Ala	Phe	Ile	Ile	Phe	Trp
145					150					155					160
Val	Arg	Ser	Lys	Arg	Ser	Arg	Leu	Leu	His	Ser	Asp	Tyr	Met	Asn	Met
				165					170					175	
Thr	Pro	Arg	Arg	Pro	Gly	Pro	Thr	Arg	Lys	His	Tyr	Gln	Pro	Tyr	Ala
			180				185						190		
Pro	Pro	Arg	Asp	Phe	Ala	Ala	Tyr	Arg	Ser						
		195					200								

<210> 401
 <211> 188
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature CTLA4

<400> 401

Lys	Ala	Met	His	Val	Ala	Gln	Pro	Ala	Val	Val	Leu	Ala	Ser	Ser	Arg
1				5					10					15	
Gly	Ile	Ala	Ser	Phe	Val	Cys	Glu	Tyr	Ala	Ser	Pro	Gly	Lys	Ala	Thr
			20					25					30		
Glu	Val	Arg	Val	Thr	Val	Leu	Arg	Gln	Ala	Asp	Ser	Gln	Val	Thr	Glu
		35				40						45			
Val	Cys	Ala	Ala	Thr	Tyr	Met	Met	Gly	Asn	Glu	Leu	Thr	Phe	Leu	Asp
	50					55					60				
Asp	Ser	Ile	Cys	Thr	Gly	Thr	Ser	Ser	Gly	Asn	Gln	Val	Asn	Leu	Thr
65					70					75					80
Ile	Gln	Gly	Leu	Arg	Ala	Met	Asp	Thr	Gly	Leu	Tyr	Ile	Cys	Lys	Val
			85						90					95	
Glu	Leu	Met	Tyr	Pro	Pro	Pro	Tyr	Tyr	Leu	Gly	Ile	Gly	Asn	Gly	Thr
			100					105					110		
Gln	Ile	Tyr	Val	Ile	Asp	Pro	Glu	Pro	Cys	Pro	Asp	Ser	Asp	Phe	Leu
		115					120					125			
Leu	Trp	Ile	Leu	Ala	Ala	Val	Ser	Ser	Gly	Leu	Phe	Phe	Tyr	Ser	Phe
	130					135					140				

761612000240SeqList

Leu Leu Thr Ala Val Ser Leu Ser Lys Met Leu Lys Lys Arg Ser Pro
 145 150 155 160
 Leu Thr Thr Gly Val Tyr Val Lys Met Pro Pro Thr Glu Pro Glu Cys
 165 170 175
 Glu Lys Gln Phe Gln Pro Tyr Phe Ile Pro Ile Asn
 180 185

<210> 402
 <211> 268
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature PDCD1(PD-1)

<400> 402
 Pro Gly Trp Phe Leu Asp Ser Pro Asp Arg Pro Trp Asn Pro Pro Thr
 1 5 10 15
 Phe Ser Pro Ala Leu Leu Val Val Thr Glu Gly Asp Asn Ala Thr Phe
 20 25 30
 Thr Cys Ser Phe Ser Asn Thr Ser Glu Ser Phe Val Leu Asn Trp Tyr
 35 40 45
 Arg Met Ser Pro Ser Asn Gln Thr Asp Lys Leu Ala Ala Phe Pro Glu
 50 55 60
 Asp Arg Ser Gln Pro Gly Gln Asp Cys Arg Phe Arg Val Thr Gln Leu
 65 70 75 80
 Pro Asn Gly Arg Asp Phe His Met Ser Val Val Arg Ala Arg Arg Asn
 85 90 95
 Asp Ser Gly Thr Tyr Leu Cys Gly Ala Ile Ser Leu Ala Pro Lys Ala
 100 105 110
 Gln Ile Lys Glu Ser Leu Arg Ala Glu Leu Arg Val Thr Glu Arg Arg
 115 120 125
 Ala Glu Val Pro Thr Ala His Pro Ser Pro Ser Pro Arg Pro Ala Gly
 130 135 140
 Gln Phe Gln Thr Leu Val Val Gly Val Val Gly Gly Leu Leu Gly Ser
 145 150 155 160
 Leu Val Leu Leu Val Trp Val Leu Ala Val Ile Cys Ser Arg Ala Ala
 165 170 175
 Arg Gly Thr Ile Gly Ala Arg Arg Thr Gly Gln Pro Leu Lys Glu Asp
 180 185 190
 Pro Ser Ala Val Pro Val Phe Ser Val Asp Tyr Gly Glu Leu Asp Phe
 195 200 205
 Gln Trp Arg Glu Lys Thr Pro Glu Pro Pro Val Pro Cys Val Pro Glu
 210 215 220
 Gln Thr Glu Tyr Ala Thr Ile Val Phe Pro Ser Gly Met Gly Thr Ser
 225 230 235 240

761612000240SeqList

Ser Pro Ala Arg Arg Gly Ser Ala Asp Gly Pro Arg Ser Ala Gln Pro
 245 250 255
 Leu Arg Pro Glu Asp Gly His Cys Ser Trp Pro Leu
 260 265

<210> 403
 <211> 179
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature ICOS

<400> 403
 Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile Phe His Asn Gly
 1 5 10 15
 Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val Gln Gln Phe Lys
 20 25 30
 Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp Leu Thr Lys Thr
 35 40 45
 Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu Lys Phe Cys His
 50 55 60
 Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu Tyr Asn Leu Asp
 65 70 75 80
 His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser Ile Phe Asp Pro
 85 90 95
 Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu His Ile Tyr Glu
 100 105 110
 Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro Ile Gly Cys Ala
 115 120 125
 Ala Phe Val Val Val Cys Ile Leu Gly Cys Ile Leu Ile Cys Trp Leu
 130 135 140
 Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro Asn Gly Glu Tyr
 145 150 155 160
 Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser Arg Leu Thr Asp
 165 170 175
 Val Thr Leu

<210> 404
 <211> 259
 <212> PRT
 <213> Homo sapiens

<220>

761612000240SeqList

<221> MISC_FEATURE

<223> Mature BTLA(CD272)

<400> 404

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Lys Glu Ser Cys Asp Val Gln Leu Tyr Ile Lys Arg Gln Ser Glu His
1      5      10      15
Ser Ile Leu Ala Gly Asp Pro Phe Glu Leu Glu Cys Pro Val Lys Tyr
20     25     30
Cys Ala Asn Arg Pro His Val Thr Trp Cys Lys Leu Asn Gly Thr Thr
35     40     45
Cys Val Lys Leu Glu Asp Arg Gln Thr Ser Trp Lys Glu Glu Lys Asn
50     55     60
Ile Ser Phe Phe Ile Leu His Phe Glu Pro Val Leu Pro Asn Asp Asn
65     70     75     80
Gly Ser Tyr Arg Cys Ser Ala Asn Phe Gln Ser Asn Leu Ile Glu Ser
85     90     95
His Ser Thr Thr Leu Tyr Val Thr Asp Val Lys Ser Ala Ser Glu Arg
100    105    110
Pro Ser Lys Asp Glu Met Ala Ser Arg Pro Trp Leu Leu Tyr Arg Leu
115    120    125
Leu Pro Leu Gly Gly Leu Pro Leu Leu Ile Thr Thr Cys Phe Cys Leu
130    135    140
Phe Cys Cys Leu Arg Arg His Gln Gly Lys Gln Asn Glu Leu Ser Asp
145    150    155    160
Thr Ala Gly Arg Glu Ile Asn Leu Val Asp Ala His Leu Lys Ser Glu
165    170    175
Gln Thr Glu Ala Ser Thr Arg Gln Asn Ser Gln Val Leu Leu Ser Glu
180    185    190
Thr Gly Ile Tyr Asp Asn Asp Pro Asp Leu Cys Phe Arg Met Gln Glu
195    200    205
Gly Ser Glu Val Tyr Ser Asn Pro Cys Leu Glu Glu Asn Lys Pro Gly
210    215    220
Ile Val Tyr Ala Ser Leu Asn His Ser Val Ile Gly Pro Asn Ser Arg
225    230    235    240
Leu Ala Arg Asn Val Lys Glu Ala Pro Thr Glu Tyr Ala Ser Ile Cys
245    250    255
Val Arg Ser

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<210> 405

<211> 433

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> Mature CD4

761612000240SeqList

<400> 405

Lys Lys Val Val Leu Gly Lys Lys Gly Asp Thr Val Glu Leu Thr Cys
 1 5 10 15
 Thr Ala Ser Gln Lys Lys Ser Ile Gln Phe His Trp Lys Asn Ser Asn
 20 25 30
 Gln Ile Lys Ile Leu Gly Asn Gln Gly Ser Phe Leu Thr Lys Gly Pro
 35 40 45
 Ser Lys Leu Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp Asp Gln
 50 55 60
 Gly Asn Phe Pro Leu Ile Ile Lys Asn Leu Lys Ile Glu Asp Ser Asp
 65 70 75 80
 Thr Tyr Ile Cys Glu Val Glu Asp Gln Lys Glu Glu Val Gln Leu Leu
 85 90 95
 Val Phe Gly Leu Thr Ala Asn Ser Asp Thr His Leu Leu Gln Gly Gln
 100 105 110
 Ser Leu Thr Leu Thr Leu Glu Ser Pro Pro Gly Ser Ser Pro Ser Val
 115 120 125
 Gln Cys Arg Ser Pro Arg Gly Lys Asn Ile Gln Gly Gly Lys Thr Leu
 130 135 140
 Ser Val Ser Gln Leu Glu Leu Gln Asp Ser Gly Thr Trp Thr Cys Thr
 145 150 155 160
 Val Leu Gln Asn Gln Lys Lys Val Glu Phe Lys Ile Asp Ile Val Val
 165 170 175
 Leu Ala Phe Gln Lys Ala Ser Ser Ile Val Tyr Lys Lys Glu Gly Glu
 180 185 190
 Gln Val Glu Phe Ser Phe Pro Leu Ala Phe Thr Val Glu Lys Leu Thr
 195 200 205
 Gly Ser Gly Glu Leu Trp Trp Gln Ala Glu Arg Ala Ser Ser Ser Lys
 210 215 220
 Ser Trp Ile Thr Phe Asp Leu Lys Asn Lys Glu Val Ser Val Lys Arg
 225 230 235 240
 Val Thr Gln Asp Pro Lys Leu Gln Met Gly Lys Lys Leu Pro Leu His
 245 250 255
 Leu Thr Leu Pro Gln Ala Leu Pro Gln Tyr Ala Gly Ser Gly Asn Leu
 260 265 270
 Thr Leu Ala Leu Glu Ala Lys Thr Gly Lys Leu His Gln Glu Val Asn
 275 280 285
 Leu Val Val Met Arg Ala Thr Gln Leu Gln Lys Asn Leu Thr Cys Glu
 290 295 300
 Val Trp Gly Pro Thr Ser Pro Lys Leu Met Leu Ser Leu Lys Leu Glu
 305 310 315 320
 Asn Lys Glu Ala Lys Val Ser Lys Arg Glu Lys Ala Val Trp Val Leu
 325 330 335
 Asn Pro Glu Ala Gly Met Trp Gln Cys Leu Leu Ser Asp Ser Gly Gln
 340 345 350
 Val Leu Leu Glu Ser Asn Ile Lys Val Leu Pro Thr Trp Ser Thr Pro
 355 360 365

761612000240SeqList

Val Gln Pro Met Ala Leu Ile Val Leu Gly Gly Val Ala Gly Leu Leu
 370 375 380
 Leu Phe Ile Gly Leu Gly Ile Phe Phe Cys Val Arg Cys Arg His Arg
 385 390 395 400
 Arg Arg Gln Ala Glu Arg Met Ser Gln Ile Lys Arg Leu Leu Ser Glu
 405 410 415
 Lys Lys Thr Cys Gln Cys Pro His Arg Phe Gln Lys Thr Cys Ser Pro
 420 425 430
 Ile

<210> 406
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature CD8A(CD8-alpha)

<400> 406
 Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly Glu
 1 5 10 15
 Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser Gly
 20 25 30
 Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr Phe
 35 40 45
 Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp
 50 55 60
 Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu Thr
 65 70 75 80
 Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser Ala
 85 90 95
 Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe Leu
 100 105 110
 Pro Ala Lys Pro Thr Thr Thr Pro Ala Pro Arg Pro Pro Thr Pro Ala
 115 120 125
 Pro Thr Ile Ala Ser Gln Pro Leu Ser Leu Arg Pro Glu Ala Cys Arg
 130 135 140
 Pro Ala Ala Gly Gly Ala Val His Thr Arg Gly Leu Asp Phe Ala Cys
 145 150 155 160
 Asp Ile Tyr Ile Trp Ala Pro Leu Ala Gly Thr Cys Gly Val Leu Leu
 165 170 175
 Leu Ser Leu Val Ile Thr Leu Tyr Cys Asn His Arg Asn Arg Arg Arg
 180 185 190
 Val Cys Lys Cys Pro Arg Pro Val Val Lys Ser Gly Asp Lys Pro Ser
 195 200 205

761612000240SeqList

Leu Ser Ala Arg Tyr Val
210

<210> 407
<211> 189
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<223> Mature CD8B(CD8-beta)

<400> 407
Leu Gln Gln Thr Pro Ala Tyr Ile Lys Val Gln Thr Asn Lys Met Val
1 5 10 15
Met Leu Ser Cys Glu Ala Lys Ile Ser Leu Ser Asn Met Arg Ile Tyr
20 25 30
Trp Leu Arg Gln Arg Gln Ala Pro Ser Ser Asp Ser His His Glu Phe
35 40 45
Leu Ala Leu Trp Asp Ser Ala Lys Gly Thr Ile His Gly Glu Glu Val
50 55 60
Glu Gln Glu Lys Ile Ala Val Phe Arg Asp Ala Ser Arg Phe Ile Leu
65 70 75 80
Asn Leu Thr Ser Val Lys Pro Glu Asp Ser Gly Ile Tyr Phe Cys Met
85 90 95
Ile Val Gly Ser Pro Glu Leu Thr Phe Gly Lys Gly Thr Gln Leu Ser
100 105 110
Val Val Asp Phe Leu Pro Thr Thr Ala Gln Pro Thr Lys Lys Ser Thr
115 120 125
Leu Lys Lys Arg Val Cys Arg Leu Pro Arg Pro Glu Thr Gln Lys Gly
130 135 140
Pro Leu Cys Ser Pro Ile Thr Leu Gly Leu Leu Val Ala Gly Val Leu
145 150 155 160
Val Leu Leu Val Ser Leu Gly Val Ala Ile His Leu Cys Cys Arg Arg
165 170 175
Arg Arg Ala Arg Leu Arg Phe Met Lys Gln Phe Tyr Lys
180 185

<210> 408
<211> 497
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<223> Mature LAG3

761612000240SeqList

<400> 408

Val	Pro	Val	Val	Trp	Ala	Gln	Glu	Gly	Ala	Pro	Ala	Gln	Leu	Pro	Cys
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Ser	Pro	Thr	Ile	Pro	Leu	Gln	Asp	Leu	Ser	Leu	Leu	Arg	Arg	Ala	Gly
			20					25					30		
Val	Thr	Trp	Gln	His	Gln	Pro	Asp	Ser	Gly	Pro	Pro	Ala	Ala	Ala	Pro
		35					40					45			
Gly	His	Pro	Leu	Ala	Pro	Gly	Pro	His	Pro	Ala	Ala	Pro	Ser	Ser	Trp
	50					55					60				
Gly	Pro	Arg	Pro	Arg	Arg	Tyr	Thr	Val	Leu	Ser	Val	Gly	Pro	Gly	Gly
65					70					75					80
Leu	Arg	Ser	Gly	Arg	Leu	Pro	Leu	Gln	Pro	Arg	Val	Gln	Leu	Asp	Glu
				85					90					95	
Arg	Gly	Arg	Gln	Arg	Gly	Asp	Phe	Ser	Leu	Trp	Leu	Arg	Pro	Ala	Arg
			100					105					110		
Arg	Ala	Asp	Ala	Gly	Glu	Tyr	Arg	Ala	Ala	Val	His	Leu	Arg	Asp	Arg
		115					120					125			
Ala	Leu	Ser	Cys	Arg	Leu	Arg	Leu	Arg	Leu	Gly	Gln	Ala	Ser	Met	Thr
	130					135					140				
Ala	Ser	Pro	Pro	Gly	Ser	Leu	Arg	Ala	Ser	Asp	Trp	Val	Ile	Leu	Asn
145					150					155					160
Cys	Ser	Phe	Ser	Arg	Pro	Asp	Arg	Pro	Ala	Ser	Val	His	Trp	Phe	Arg
				165					170					175	
Asn	Arg	Gly	Gln	Gly	Arg	Val	Pro	Val	Arg	Glu	Ser	Pro	His	His	His
			180					185					190		
Leu	Ala	Glu	Ser	Phe	Leu	Phe	Leu	Pro	Gln	Val	Ser	Pro	Met	Asp	Ser
		195				200						205			
Gly	Pro	Trp	Gly	Cys	Ile	Leu	Thr	Tyr	Arg	Asp	Gly	Phe	Asn	Val	Ser
	210					215					220				
Ile	Met	Tyr	Asn	Leu	Thr	Val	Leu	Gly	Leu	Glu	Pro	Pro	Thr	Pro	Leu
225					230					235					240
Thr	Val	Tyr	Ala	Gly	Ala	Gly	Ser	Arg	Val	Gly	Leu	Pro	Cys	Arg	Leu
				245					250					255	
Pro	Ala	Gly	Val	Gly	Thr	Arg	Ser	Phe	Leu	Thr	Ala	Lys	Trp	Thr	Pro
		260						265					270		
Pro	Gly	Gly	Gly	Pro	Asp	Leu	Leu	Val	Thr	Gly	Asp	Asn	Gly	Asp	Phe
		275					280					285			
Thr	Leu	Arg	Leu	Glu	Asp	Val	Ser	Gln	Ala	Gln	Ala	Gly	Thr	Tyr	Thr
	290					295					300				
Cys	His	Ile	His	Leu	Gln	Glu	Gln	Gln	Leu	Asn	Ala	Thr	Val	Thr	Leu
305					310					315					320
Ala	Ile	Ile	Thr	Val	Thr	Pro	Lys	Ser	Phe	Gly	Ser	Pro	Gly	Ser	Leu
				325					330					335	
Gly	Lys	Leu	Leu	Cys	Glu	Val	Thr	Pro	Val	Ser	Gly	Gln	Glu	Arg	Phe
		340						345					350		
Val	Trp	Ser	Ser	Leu	Asp	Thr	Pro	Ser	Gln	Arg	Ser	Phe	Ser	Gly	Pro
		355					360						365		

761612000240SeqList

Trp Leu Glu Ala Gln Glu Ala Gln Leu Leu Ser Gln Pro Trp Gln Cys
 370 375 380
 Gln Leu Tyr Gln Gly Glu Arg Leu Leu Gly Ala Ala Val Tyr Phe Thr
 385 390 395 400
 Glu Leu Ser Ser Pro Gly Ala Gln Arg Ser Gly Arg Ala Pro Gly Ala
 405 410 415
 Leu Pro Ala Gly His Leu Leu Leu Phe Leu Ile Leu Gly Val Leu Ser
 420 425 430
 Leu Leu Leu Leu Val Thr Gly Ala Phe Gly Phe His Leu Trp Arg Arg
 435 440 445
 Gln Trp Arg Pro Arg Arg Phe Ser Ala Leu Glu Gln Gly Ile His Pro
 450 455 460
 Pro Gln Ala Gln Ser Lys Ile Glu Glu Leu Glu Gln Glu Pro Glu Pro
 465 470 475 480
 Glu Pro Glu Pro Glu Pro Glu Pro Glu Pro Glu Pro Glu Gln
 485 490 495
 Leu

<210> 409
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature HAVCR2(TIM-3)

<400> 409
 Ser Glu Val Glu Tyr Arg Ala Glu Val Gly Gln Asn Ala Tyr Leu Pro
 1 5 10 15
 Cys Phe Tyr Thr Pro Ala Ala Pro Gly Asn Leu Val Pro Val Cys Trp
 20 25 30
 Gly Lys Gly Ala Cys Pro Val Phe Glu Cys Gly Asn Val Val Leu Arg
 35 40 45
 Thr Asp Glu Arg Asp Val Asn Tyr Trp Thr Ser Arg Tyr Trp Leu Asn
 50 55 60
 Gly Asp Phe Arg Lys Gly Asp Val Ser Leu Thr Ile Glu Asn Val Thr
 65 70 75 80
 Leu Ala Asp Ser Gly Ile Tyr Cys Cys Arg Ile Gln Ile Pro Gly Ile
 85 90 95
 Met Asn Asp Glu Lys Phe Asn Leu Lys Leu Val Ile Lys Pro Ala Lys
 100 105 110
 Val Thr Pro Ala Pro Thr Arg Gln Arg Asp Phe Thr Ala Ala Phe Pro
 115 120 125
 Arg Met Leu Thr Thr Arg Gly His Gly Pro Ala Glu Thr Gln Thr Leu
 130 135 140

761612000240SeqList

Gly Ser Leu Pro Asp Ile Asn Leu Thr Gln Ile Ser Thr Leu Ala Asn
 145 150 155 160
 Glu Leu Arg Asp Ser Arg Leu Ala Asn Asp Leu Arg Asp Ser Gly Ala
 165 170 175
 Thr Ile Arg Ile Gly Ile Tyr Ile Gly Ala Gly Ile Cys Ala Gly Leu
 180 185 190
 Ala Leu Ala Leu Ile Phe Gly Ala Leu Ile Phe Lys Trp Tyr Ser His
 195 200 205
 Ser Lys Glu Lys Ile Gln Asn Leu Ser Leu Ile Ser Leu Ala Asn Leu
 210 215 220
 Pro Pro Ser Gly Leu Ala Asn Ala Val Ala Glu Gly Ile Arg Ser Glu
 225 230 235 240
 Glu Asn Ile Tyr Thr Ile Glu Glu Asn Val Tyr Glu Val Glu Glu Pro
 245 250 255
 Asn Glu Tyr Tyr Cys Tyr Val Ser Ser Arg Gln Gln Pro Ser Gln Pro
 260 265 270
 Leu Gly Cys Arg Phe Ala Met Pro
 275 280

<210> 410
 <211> 492
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature CEACAM1

<400> 410
 Gln Leu Thr Thr Glu Ser Met Pro Phe Asn Val Ala Glu Gly Lys Glu
 1 5 10 15
 Val Leu Leu Leu Val His Asn Leu Pro Gln Gln Leu Phe Gly Tyr Ser
 20 25 30
 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Val Gly Tyr
 35 40 45
 Ala Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Asn Ser Gly Arg
 50 55 60
 Glu Thr Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Val Thr Gln
 65 70 75 80
 Asn Asp Thr Gly Phe Tyr Thr Leu Gln Val Ile Lys Ser Asp Leu Val
 85 90 95
 Asn Glu Glu Ala Thr Gly Gln Phe His Val Tyr Pro Glu Leu Pro Lys
 100 105 110
 Pro Ser Ile Ser Ser Asn Asn Ser Asn Pro Val Glu Asp Lys Asp Ala
 115 120 125
 Val Ala Phe Thr Cys Glu Pro Glu Thr Gln Asp Thr Thr Tyr Leu Trp
 130 135 140

761612000240SeqList

Trp	Ile	Asn	Asn	Gln	Ser	Leu	Pro	Val	Ser	Pro	Arg	Leu	Gln	Leu	Ser
145					150					155					160
Asn	Gly	Asn	Arg	Thr	Leu	Thr	Leu	Leu	Ser	Val	Thr	Arg	Asn	Asp	Thr
				165					170					175	
Gly	Pro	Tyr	Glu	Cys	Glu	Ile	Gln	Asn	Pro	Val	Ser	Ala	Asn	Arg	Ser
			180					185					190		
Asp	Pro	Val	Thr	Leu	Asn	Val	Thr	Tyr	Gly	Pro	Asp	Thr	Pro	Thr	Ile
		195					200					205			
Ser	Pro	Ser	Asp	Thr	Tyr	Tyr	Arg	Pro	Gly	Ala	Asn	Leu	Ser	Leu	Ser
	210					215					220				
Cys	Tyr	Ala	Ala	Ser	Asn	Pro	Pro	Ala	Gln	Tyr	Ser	Trp	Leu	Ile	Asn
225					230					235					240
Gly	Thr	Phe	Gln	Gln	Ser	Thr	Gln	Glu	Leu	Phe	Ile	Pro	Asn	Ile	Thr
			245					250						255	
Val	Asn	Asn	Ser	Gly	Ser	Tyr	Thr	Cys	His	Ala	Asn	Asn	Ser	Val	Thr
			260					265					270		
Gly	Cys	Asn	Arg	Thr	Thr	Val	Lys	Thr	Ile	Ile	Val	Thr	Glu	Leu	Ser
		275					280					285			
Pro	Val	Val	Ala	Lys	Pro	Gln	Ile	Lys	Ala	Ser	Lys	Thr	Thr	Val	Thr
	290					295					300				
Gly	Asp	Lys	Asp	Ser	Val	Asn	Leu	Thr	Cys	Ser	Thr	Asn	Asp	Thr	Gly
305					310					315					320
Ile	Ser	Ile	Arg	Trp	Phe	Phe	Lys	Asn	Gln	Ser	Leu	Pro	Ser	Ser	Glu
			325					330						335	
Arg	Met	Lys	Leu	Ser	Gln	Gly	Asn	Thr	Thr	Leu	Ser	Ile	Asn	Pro	Val
		340						345					350		
Lys	Arg	Glu	Asp	Ala	Gly	Thr	Tyr	Trp	Cys	Glu	Val	Phe	Asn	Pro	Ile
	355						360					365			
Ser	Lys	Asn	Gln	Ser	Asp	Pro	Ile	Met	Leu	Asn	Val	Asn	Tyr	Asn	Ala
	370					375					380				
Leu	Pro	Gln	Glu	Asn	Gly	Leu	Ser	Pro	Gly	Ala	Ile	Ala	Gly	Ile	Val
385					390					395					400
Ile	Gly	Val	Val	Ala	Leu	Val	Ala	Leu	Ile	Ala	Val	Ala	Leu	Ala	Cys
			405					410						415	
Phe	Leu	His	Phe	Gly	Lys	Thr	Gly	Arg	Ala	Ser	Asp	Gln	Arg	Asp	Leu
		420					425					430			
Thr	Glu	His	Lys	Pro	Ser	Val	Ser	Asn	His	Thr	Gln	Asp	His	Ser	Asn
	435					440					445				
Asp	Pro	Pro	Asn	Lys	Met	Asn	Glu	Val	Thr	Tyr	Ser	Thr	Leu	Asn	Phe
	450					455					460				
Glu	Ala	Gln	Gln	Pro	Thr	Gln	Pro	Thr	Ser	Ala	Ser	Pro	Ser	Leu	Thr
465					470					475					480
Ala	Thr	Glu	Ile	Ile	Tyr	Ser	Glu	Val	Lys	Lys	Gln				
			485					490							

<210> 411

<211> 222

761612000240SeqList

<212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature TIGIT

<400> 411
 Met Thr Gly Thr Ile Glu Thr Thr Gly Asn Ile Ser Ala Glu Lys Gly
 1 5 10 15
 Gly Ser Ile Ile Leu Gln Cys His Leu Ser Ser Thr Thr Ala Gln Val
 20 25 30
 Thr Gln Val Asn Trp Glu Gln Gln Asp Gln Leu Leu Ala Ile Cys Asn
 35 40 45
 Ala Asp Leu Gly Trp His Ile Ser Pro Ser Phe Lys Asp Arg Val Ala
 50 55 60
 Pro Gly Pro Gly Leu Gly Leu Thr Leu Gln Ser Leu Thr Val Asn Asp
 65 70 75 80
 Thr Gly Glu Tyr Phe Cys Ile Tyr His Thr Tyr Pro Asp Gly Thr Tyr
 85 90 95
 Thr Gly Arg Ile Phe Leu Glu Val Leu Glu Ser Ser Val Ala Glu His
 100 105 110
 Gly Ala Arg Phe Gln Ile Pro Leu Leu Gly Ala Met Ala Ala Thr Leu
 115 120 125
 Val Val Ile Cys Thr Ala Val Ile Val Val Val Ala Leu Thr Arg Lys
 130 135 140
 Lys Lys Ala Leu Arg Ile His Ser Val Glu Gly Asp Leu Arg Arg Lys
 145 150 155 160
 Ser Ala Gly Gln Glu Glu Trp Ser Pro Ser Ala Pro Ser Pro Pro Gly
 165 170 175
 Ser Cys Val Gln Ala Glu Ala Ala Pro Ala Gly Leu Cys Gly Glu Gln
 180 185 190
 Arg Gly Glu Asp Cys Ala Glu Leu His Asp Tyr Phe Asn Val Leu Ser
 195 200 205
 Tyr Arg Ser Leu Gly Asn Cys Ser Phe Phe Thr Glu Thr Gly
 210 215 220

<210> 412
 <211> 397
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature PVR(CD155)

<400> 412

761612000240SeqList

Trp	Pro	Pro	Pro	Gly	Thr	Gly	Asp	Val	Val	Val	Gln	Ala	Pro	Thr	Gln
1				5					10					15	
Val	Pro	Gly	Phe	Leu	Gly	Asp	Ser	Val	Thr	Leu	Pro	Cys	Tyr	Leu	Gln
			20					25					30		
Val	Pro	Asn	Met	Glu	Val	Thr	His	Val	Ser	Gln	Leu	Thr	Trp	Ala	Arg
		35					40					45			
His	Gly	Glu	Ser	Gly	Ser	Met	Ala	Val	Phe	His	Gln	Thr	Gln	Gly	Pro
	50					55					60				
Ser	Tyr	Ser	Glu	Ser	Lys	Arg	Leu	Glu	Phe	Val	Ala	Ala	Arg	Leu	Gly
65					70					75				80	
Ala	Glu	Leu	Arg	Asn	Ala	Ser	Leu	Arg	Met	Phe	Gly	Leu	Arg	Val	Glu
				85					90					95	
Asp	Glu	Gly	Asn	Tyr	Thr	Cys	Leu	Phe	Val	Thr	Phe	Pro	Gln	Gly	Ser
			100					105					110		
Arg	Ser	Val	Asp	Ile	Trp	Leu	Arg	Val	Leu	Ala	Lys	Pro	Gln	Asn	Thr
		115					120					125			
Ala	Glu	Val	Gln	Lys	Val	Gln	Leu	Thr	Gly	Glu	Pro	Val	Pro	Met	Ala
		130				135					140				
Arg	Cys	Val	Ser	Thr	Gly	Gly	Arg	Pro	Pro	Ala	Gln	Ile	Thr	Trp	His
145					150					155				160	
Ser	Asp	Leu	Gly	Gly	Met	Pro	Asn	Thr	Ser	Gln	Val	Pro	Gly	Phe	Leu
			165						170					175	
Ser	Gly	Thr	Val	Thr	Val	Thr	Ser	Leu	Trp	Ile	Leu	Val	Pro	Ser	Ser
		180						185					190		
Gln	Val	Asp	Gly	Lys	Asn	Val	Thr	Cys	Lys	Val	Glu	His	Glu	Ser	Phe
		195					200					205			
Glu	Lys	Pro	Gln	Leu	Leu	Thr	Val	Asn	Leu	Thr	Val	Tyr	Tyr	Pro	Pro
		210				215					220				
Glu	Val	Ser	Ile	Ser	Gly	Tyr	Asp	Asn	Asn	Trp	Tyr	Leu	Gly	Gln	Asn
225					230					235				240	
Glu	Ala	Thr	Leu	Thr	Cys	Asp	Ala	Arg	Ser	Asn	Pro	Glu	Pro	Thr	Gly
				245					250					255	
Tyr	Asn	Trp	Ser	Thr	Thr	Met	Gly	Pro	Leu	Pro	Pro	Phe	Ala	Val	Ala
		260					265						270		
Gln	Gly	Ala	Gln	Leu	Leu	Ile	Arg	Pro	Val	Asp	Lys	Pro	Ile	Asn	Thr
		275					280					285			
Thr	Leu	Ile	Cys	Asn	Val	Thr	Asn	Ala	Leu	Gly	Ala	Arg	Gln	Ala	Glu
	290					295				300					
Leu	Thr	Val	Gln	Val	Lys	Glu	Gly	Pro	Pro	Ser	Glu	His	Ser	Gly	Ile
305					310					315				320	
Ser	Arg	Asn	Ala	Ile	Ile	Phe	Leu	Val	Leu	Gly	Ile	Leu	Val	Phe	Leu
			325						330					335	
Ile	Leu	Leu	Gly	Ile	Gly	Ile	Tyr	Phe	Tyr	Trp	Ser	Lys	Cys	Ser	Arg
			340				345						350		
Glu	Val	Leu	Trp	His	Cys	His	Leu	Cys	Pro	Ser	Ser	Thr	Glu	His	Ala
		355					360					365			
Ser	Ala	Ser	Ala	Asn	Gly	His	Val	Ser	Tyr	Ser	Ala	Val	Ser	Arg	Glu
	370					375					380				

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Asn Ser Ser Ser Gln Asp Pro Gln Thr Glu Gly Thr Arg
 385 390 395

<210> 413
 <211> 507
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature PVRL2(CD112)

<400> 413
 Gln Asp Val Arg Val Gln Val Leu Pro Glu Val Arg Gly Gln Leu Gly
 1 5 10 15
 Gly Thr Val Glu Leu Pro Cys His Leu Leu Pro Pro Val Pro Gly Leu
 20 25 30
 Tyr Ile Ser Leu Val Thr Trp Gln Arg Pro Asp Ala Pro Ala Asn His
 35 40 45
 Gln Asn Val Ala Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
 50 55 60
 Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
 65 70 75 80
 Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
 85 90 95
 His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
 100 105 110
 Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
 115 120 125
 Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
 130 135 140
 Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
 145 150 155 160
 Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
 165 170 175
 Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
 180 185 190
 Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
 195 200 205
 Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
 210 215 220
 Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
 225 230 235 240
 Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
 245 250 255
 Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
 260 265 270

761612000240SeqList

Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
 275 280 285
 Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
 290 295 300
 Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
 305 310 315 320
 Thr Ala Gly Ala Gly Ala Thr Gly Gly Ile Ile Gly Gly Ile Ile Ala
 325 330 335
 Ala Ile Ile Ala Thr Ala Val Ala Ala Thr Gly Ile Leu Ile Cys Arg
 340 345 350
 Gln Gln Arg Lys Glu Gln Thr Leu Gln Gly Ala Glu Glu Asp Glu Asp
 355 360 365
 Leu Glu Gly Pro Pro Ser Tyr Lys Pro Pro Thr Pro Lys Ala Lys Leu
 370 375 380
 Glu Ala Gln Glu Met Pro Ser Gln Leu Phe Thr Leu Gly Ala Ser Glu
 385 390 395 400
 His Ser Pro Leu Lys Thr Pro Tyr Phe Asp Ala Gly Ala Ser Cys Thr
 405 410 415
 Glu Gln Glu Met Pro Arg Tyr His Glu Leu Pro Thr Leu Glu Glu Arg
 420 425 430
 Ser Gly Pro Leu His Pro Gly Ala Thr Ser Leu Gly Ser Pro Ile Pro
 435 440 445
 Val Pro Pro Gly Pro Pro Ala Val Glu Asp Val Ser Leu Asp Leu Glu
 450 455 460
 Asp Glu Glu Gly Glu Glu Glu Glu Tyr Leu Asp Lys Ile Asn Pro
 465 470 475 480
 Ile Tyr Asp Ala Leu Ser Tyr Ser Ser Pro Ser Asp Ser Tyr Gln Gly
 485 490 495
 Lys Gly Phe Val Met Ser Arg Ala Met Tyr Val
 500 505

<210> 414

<211> 318

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> Mature CD226

<400> 414

Glu Glu Val Leu Trp His Thr Ser Val Pro Phe Ala Glu Asn Met Ser
 1 5 10 15
 Leu Glu Cys Val Tyr Pro Ser Met Gly Ile Leu Thr Gln Val Glu Trp
 20 25 30
 Phe Lys Ile Gly Thr Gln Gln Asp Ser Ile Ala Ile Phe Ser Pro Thr
 35 40 45

761612000240SeqList

His Gly Met Val Ile Arg Lys Pro Tyr Ala Glu Arg Val Tyr Phe Leu
 50 55 60
 Asn Ser Thr Met Ala Ser Asn Asn Met Thr Leu Phe Phe Arg Asn Ala
 65 70 75 80
 Ser Glu Asp Asp Val Gly Tyr Tyr Ser Cys Ser Leu Tyr Thr Tyr Pro
 85 90 95
 Gln Gly Thr Trp Gln Lys Val Ile Gln Val Val Gln Ser Asp Ser Phe
 100 105 110
 Glu Ala Ala Val Pro Ser Asn Ser His Ile Val Ser Glu Pro Gly Lys
 115 120 125
 Asn Val Thr Leu Thr Cys Gln Pro Gln Met Thr Trp Pro Val Gln Ala
 130 135 140
 Val Arg Trp Glu Lys Ile Gln Pro Arg Gln Ile Asp Leu Leu Thr Tyr
 145 150 155 160
 Cys Asn Leu Val His Gly Arg Asn Phe Thr Ser Lys Phe Pro Arg Gln
 165 170 175
 Ile Val Ser Asn Cys Ser His Gly Arg Trp Ser Val Ile Val Ile Pro
 180 185 190
 Asp Val Thr Val Ser Asp Ser Gly Leu Tyr Arg Cys Tyr Leu Gln Ala
 195 200 205
 Ser Ala Gly Glu Asn Glu Thr Phe Val Met Arg Leu Thr Val Ala Glu
 210 215 220
 Gly Lys Thr Asp Asn Gln Tyr Thr Leu Phe Val Ala Gly Gly Thr Val
 225 230 235 240
 Leu Leu Leu Leu Phe Val Ile Ser Ile Thr Thr Ile Ile Val Ile Phe
 245 250 255
 Leu Asn Arg Arg Arg Arg Arg Glu Arg Arg Asp Leu Phe Thr Glu Ser
 260 265 270
 Trp Asp Thr Gln Lys Ala Pro Asn Asn Tyr Arg Ser Pro Ile Ser Thr
 275 280 285
 Ser Gln Pro Thr Asn Gln Ser Met Asp Asp Thr Arg Glu Asp Ile Tyr
 290 295 300
 Val Asn Tyr Pro Thr Phe Ser Arg Arg Pro Lys Thr Arg Val
 305 310 315

<210> 415
 <211> 327
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Mature CD2

<400> 415
 Lys Glu Ile Thr Asn Ala Leu Glu Thr Trp Gly Ala Leu Gly Gln Asp
 1 5 10 15

761612000240SeqList

Ile	Asn	Leu	Asp	Ile	Pro	Ser	Phe	Gln	Met	Ser	Asp	Asp	Ile	Asp	Asp
			20					25					30		
Ile	Lys	Trp	Glu	Lys	Thr	Ser	Asp	Lys	Lys	Lys	Ile	Ala	Gln	Phe	Arg
		35					40					45			
Lys	Glu	Lys	Glu	Thr	Phe	Lys	Glu	Lys	Asp	Thr	Tyr	Lys	Leu	Phe	Lys
		50				55					60				
Asn	Gly	Thr	Leu	Lys	Ile	Lys	His	Leu	Lys	Thr	Asp	Asp	Gln	Asp	Ile
65					70					75				80	
Tyr	Lys	Val	Ser	Ile	Tyr	Asp	Thr	Lys	Gly	Lys	Asn	Val	Leu	Glu	Lys
			85						90				95		
Ile	Phe	Asp	Leu	Lys	Ile	Gln	Glu	Arg	Val	Ser	Lys	Pro	Lys	Ile	Ser
			100					105					110		
Trp	Thr	Cys	Ile	Asn	Thr	Thr	Leu	Thr	Cys	Glu	Val	Met	Asn	Gly	Thr
		115					120					125			
Asp	Pro	Glu	Leu	Asn	Leu	Tyr	Gln	Asp	Gly	Lys	His	Leu	Lys	Leu	Ser
		130				135					140				
Gln	Arg	Val	Ile	Thr	His	Lys	Trp	Thr	Thr	Ser	Leu	Ser	Ala	Lys	Phe
145					150					155					160
Lys	Cys	Thr	Ala	Gly	Asn	Lys	Val	Ser	Lys	Glu	Ser	Ser	Val	Glu	Pro
				165					170					175	
Val	Ser	Cys	Pro	Glu	Lys	Gly	Leu	Asp	Ile	Tyr	Leu	Ile	Ile	Gly	Ile
			180					185					190		
Cys	Gly	Gly	Gly	Ser	Leu	Leu	Met	Val	Phe	Val	Ala	Leu	Leu	Val	Phe
		195					200					205			
Tyr	Ile	Thr	Lys	Arg	Lys	Lys	Gln	Arg	Ser	Arg	Arg	Asn	Asp	Glu	Glu
		210				215					220				
Leu	Glu	Thr	Arg	Ala	His	Arg	Val	Ala	Thr	Glu	Glu	Arg	Gly	Arg	Lys
225					230					235					240
Pro	His	Gln	Ile	Pro	Ala	Ser	Thr	Pro	Gln	Asn	Pro	Ala	Thr	Ser	Gln
				245					250					255	
His	Pro	Pro	Pro	Pro	Pro	Gly	His	Arg	Ser	Gln	Ala	Pro	Ser	His	Arg
			260					265					270		
Pro	Pro	Pro	Pro	Gly	His	Arg	Val	Gln	His	Gln	Pro	Gln	Lys	Arg	Pro
		275					280					285			
Pro	Ala	Pro	Ser	Gly	Thr	Gln	Val	His	Gln	Gln	Lys	Gly	Pro	Pro	Leu
		290				295					300				
Pro	Arg	Pro	Arg	Val	Gln	Pro	Lys	Pro	Pro	His	Gly	Ala	Ala	Glu	Asn
305					310					315					320
Ser	Leu	Ser	Pro	Ser	Ser	Asn									
				325											

<210> 416
 <211> 154
 <212> PRT
 <213> Homo sapiens

<220>

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<221> MISC_FEATURE

<223> Mature CD160

<400> 416

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Ile Asn Ile Thr Ser Ser Ala Ser Gln Glu Gly Thr Arg Leu Asn Leu
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Ile Cys Thr Val Trp His Lys Lys Glu Glu Ala Glu Gly Phe Val Val
20     25     30
Phe Leu Cys Lys Asp Arg Ser Gly Asp Cys Ser Pro Glu Thr Ser Leu
35     40     45
Lys Gln Leu Arg Leu Lys Arg Asp Pro Gly Ile Asp Gly Val Gly Glu
50     55     60
Ile Ser Ser Gln Leu Met Phe Thr Ile Ser Gln Val Thr Pro Leu His
65     70     75     80
Ser Gly Thr Tyr Gln Cys Cys Ala Arg Ser Gln Lys Ser Gly Ile Arg
85     90     95
Leu Gln Gly His Phe Phe Ser Ile Leu Phe Thr Glu Thr Gly Asn Tyr
100    105    110
Thr Val Thr Gly Leu Lys Gln Arg Gln His Leu Glu Phe Ser His Asn
115    120    125
Glu Gly Thr Leu Ser Ser Gly Phe Leu Gln Glu Lys Val Trp Val Met
130    135    140
Leu Val Thr Ser Leu Val Ala Leu Gln Ala
145    150

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<211> 248

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<223> Mature CD200

<400> 417

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Gln Val Gln Val Val Thr Gln Asp Glu Arg Glu Gln Leu Tyr Thr Pro
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Ala Ser Leu Lys Cys Ser Leu Gln Asn Ala Gln Glu Ala Leu Ile Val
20     25     30
Thr Trp Gln Lys Lys Lys Ala Val Ser Pro Glu Asn Met Val Thr Phe
35     40     45
Ser Glu Asn His Gly Val Val Ile Gln Pro Ala Tyr Lys Asp Lys Ile
50     55     60
Asn Ile Thr Gln Leu Gly Leu Gln Asn Ser Thr Ile Thr Phe Trp Asn
65     70     75     80
Ile Thr Leu Glu Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Thr Phe
85     90     95

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761612000240SeqList

Gly	Phe	Gly	Lys	Ile	Ser	Gly	Thr	Ala	Cys	Leu	Thr	Val	Tyr	Val	Gln
			100					105					110		
Pro	Ile	Val	Ser	Leu	His	Tyr	Lys	Phe	Ser	Glu	Asp	His	Leu	Asn	Ile
		115					120					125			
Thr	Cys	Ser	Ala	Thr	Ala	Arg	Pro	Ala	Pro	Met	Val	Phe	Trp	Lys	Val
		130				135					140				
Pro	Arg	Ser	Gly	Ile	Glu	Asn	Ser	Thr	Val	Thr	Leu	Ser	His	Pro	Asn
145					150					155					160
Gly	Thr	Thr	Ser	Val	Thr	Ser	Ile	Leu	His	Ile	Lys	Asp	Pro	Lys	Asn
			165						170					175	
Gln	Val	Gly	Lys	Glu	Val	Ile	Cys	Gln	Val	Leu	His	Leu	Gly	Thr	Val
			180					185					190		
Thr	Asp	Phe	Lys	Gln	Thr	Val	Asn	Lys	Gly	Tyr	Trp	Phe	Ser	Val	Pro
		195					200					205			
Leu	Leu	Leu	Ser	Ile	Val	Ser	Leu	Val	Ile	Leu	Leu	Val	Leu	Ile	Ser
		210				215					220				
Ile	Leu	Leu	Tyr	Trp	Lys	Arg	His	Arg	Asn	Gln	Asp	Arg	Gly	Glu	Leu
225					230					235					240
Ser	Gln	Gly	Val	Gln	Lys	Met	Thr								
				245											

<210> 418
 <211> 297
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature CD200R1(CD200R)

<400> 418

Met	Asp	Glu	Lys	Gln	Ile	Thr	Gln	Asn	Tyr	Ser	Lys	Val	Leu	Ala	Glu
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Val	Asn	Thr	Ser	Trp	Pro	Val	Lys	Met	Ala	Thr	Asn	Ala	Val	Leu	Cys
			20					25				30			
Cys	Pro	Pro	Ile	Ala	Leu	Arg	Asn	Leu	Ile	Ile	Ile	Thr	Trp	Glu	Ile
		35					40					45			
Ile	Leu	Arg	Gly	Gln	Pro	Ser	Cys	Thr	Lys	Ala	Tyr	Arg	Lys	Glu	Thr
		50				55					60				
Asn	Glu	Thr	Lys	Glu	Thr	Asn	Cys	Thr	Asp	Glu	Arg	Ile	Thr	Trp	Val
65					70					75				80	
Ser	Arg	Pro	Asp	Gln	Asn	Ser	Asp	Leu	Gln	Ile	Arg	Pro	Val	Ala	Ile
				85					90					95	
Thr	His	Asp	Gly	Tyr	Tyr	Arg	Cys	Ile	Met	Val	Thr	Pro	Asp	Gly	Asn
			100					105					110		
Phe	His	Arg	Gly	Tyr	His	Leu	Gln	Val	Leu	Val	Thr	Pro	Glu	Val	Thr
			115				120						125		

761612000240SeqList

Leu Phe Gln Asn Arg Asn Arg Thr Ala Val Cys Lys Ala Val Ala Gly
 130 135 140
 Lys Pro Ala Ala Gln Ile Ser Trp Ile Pro Glu Gly Asp Cys Ala Thr
 145 150 155 160
 Lys Gln Glu Tyr Trp Ser Asn Gly Thr Val Thr Val Lys Ser Thr Cys
 165 170 175
 His Trp Glu Val His Asn Val Ser Thr Val Thr Cys His Val Ser His
 180 185 190
 Leu Thr Gly Asn Lys Ser Leu Tyr Ile Glu Leu Leu Pro Val Pro Gly
 195 200 205
 Ala Lys Lys Ser Ala Lys Leu Tyr Ile Pro Tyr Ile Ile Leu Thr Ile
 210 215 220
 Ile Ile Leu Thr Ile Val Gly Phe Ile Trp Leu Leu Lys Val Asn Gly
 225 230 235 240
 Cys Arg Lys Tyr Lys Leu Asn Lys Thr Glu Ser Thr Pro Val Val Glu
 245 250 255
 Glu Asp Glu Met Gln Pro Tyr Ala Ser Tyr Thr Glu Lys Asn Asn Pro
 260 265 270
 Leu Tyr Asp Thr Thr Asn Lys Val Lys Ala Ser Glu Ala Leu Gln Ser
 275 280 285
 Glu Val Asp Thr Asp Leu His Thr Leu
 290 295

<210> 419
 <211> 183
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <223> Mature NC R3 (NKp30)

<400> 419
 Leu Trp Val Ser Gln Pro Pro Glu Ile Arg Thr Leu Glu Gly Ser Ser
 1 5 10 15
 Ala Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile
 20 25 30
 Gly Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val
 35 40 45
 Arg Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser
 50 55 60
 Ser Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val
 65 70 75 80
 Arg Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly
 85 90 95
 Leu Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu
 100 105 110

761612000240SeqList

His	Pro	Gln	Leu	Gly	Ala	Gly	Thr	Val	Leu	Leu	Leu	Arg	Ala	Gly	Phe
		115					120						125		
Tyr	Ala	Val	Ser	Phe	Leu	Ser	Val	Ala	Val	Gly	Ser	Thr	Val	Tyr	Tyr
	130					135						140			
Gln	Gly	Lys	Cys	Leu	Thr	Trp	Lys	Gly	Pro	Arg	Arg	Gln	Leu	Pro	Ala
145					150					155					160
Val	Val	Pro	Ala	Pro	Leu	Pro	Pro	Pro	Cys	Gly	Ser	Ser	Ala	His	Leu
				165					170					175	
Leu	Pro	Pro	Val	Pro	Gly	Gly									
			180												