

SEQUENCE LISTING

<110> JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.
SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.

<120> TRUNCATED TACI POLYPEPTIDE AND FUSION PROTEIN AND USE THEREOF

<130> 722033CPCT

<140> PCT/CN2022/084256
<141> 2022-03-31

<150> 202110348497.6
<151> 2021-03-31

<160> 73

<170> PatentIn version 3.5

<210> 1
<211> 165
<212> PRT
<213> Homo sapiens

<400> 1

Met Ser Gly Leu Gly Arg Ser Arg Arg Gly Gly Arg Ser Arg Val Asp
1 5 10 15

Gln Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala Met Arg
20 25 30

Ser Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met
35 40 45

Ser Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala
50 55 60

Phe Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp
65 70 75 80

His Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His
85 90 95

Pro Lys Gln Cys Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val
100 105 110

Asn Leu Pro Pro Glu Leu Arg Arg Gln Arg Ser Gly Glu Val Glu Asn
115 120 125

Asn Ser Asp Asn Ser Gly Arg Tyr Gln Gly Leu Glu His Arg Gly Ser
130 135 140

Glu Ala Ser Pro Ala Leu Pro Gly Leu Lys Leu Ser Ala Asp Gln Val
145 150 155 160

Ala Leu Val Tyr Ser
165

<210> 2
<211> 164
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-1

<400> 2

Ser Gly Leu Gly Arg Ser Arg Lys Gly Gly Lys Ser Arg Val Asp Gln
1 5 10 15

Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala Met Arg Ser
20 25 30

Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met Ser
35 40 45

Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala Phe
50 55 60

Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His
65 70 75 80

Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro
85 90 95

Lys Gln Cys Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val Asn
100 105 110

Leu Pro Pro Glu Leu Arg Lys Gln Arg Ser Gly Glu Val Glu Gln Asn
115 120 125

Ser Asp Asn Ser Gly Lys Tyr Gln Gly Leu Glu His Arg Gly Ser Glu
130 135 140

Ala Ser Pro Ala Leu Pro Gly Leu Lys Leu Ser Ala Asp Gln Val Ala
145 150 155 160

Leu Val Tyr Ser

<210> 3
<211> 133
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-2

<400> 3

Ser Gly Leu Gly Arg Ser Arg Lys Gly Gly Lys Ser Arg Val Asp Gln
1 5 10 15

Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala Met Arg Ser
20 25 30

Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met Ser
35 40 45

Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala Phe
50 55 60

Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His
65 70 75 80

Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro
85 90 95

Lys Gln Cys Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val Asn

	100		105		110										
Leu	Pro	Pro	Glu	Leu	Arg	Lys	Gln	Arg	Ser	Gly	Glu	Val	Glu	Asn	Asn
		115					120					125			
Ser	Asp	Asn	Ser	Gly											
	130														
<210>	4														
<211>	126														
<212>	PRT														
<213>	Artificial Sequence														
<220>															
<223>	TACI-3														
<400>	4														
Ser	Gly	Leu	Gly	Arg	Ser	Arg	Lys	Gly	Gly	Lys	Ser	Arg	Val	Asp	Gln
1				5					10					15	
Glu	Glu	Arg	Phe	Pro	Gln	Gly	Leu	Trp	Thr	Gly	Val	Ala	Met	Arg	Ser
			20					25					30		
Cys	Pro	Glu	Glu	Gln	Tyr	Trp	Asp	Pro	Leu	Leu	Gly	Thr	Cys	Met	Ser
		35					40					45			
Cys	Lys	Thr	Ile	Cys	Asn	His	Gln	Ser	Gln	Arg	Thr	Cys	Ala	Ala	Phe
	50					55					60				
Cys	Arg	Ser	Leu	Ser	Cys	Arg	Lys	Glu	Gln	Gly	Lys	Phe	Tyr	Asp	His
65					70					75				80	
Leu	Leu	Arg	Asp	Cys	Ile	Ser	Cys	Ala	Ser	Ile	Cys	Gly	Gln	His	Pro
				85					90					95	
Lys	Gln	Cys	Ala	Tyr	Phe	Cys	Glu	Asn	Lys	Leu	Arg	Ser	Pro	Val	Asn
			100					105					110		
Leu	Pro	Pro	Glu	Leu	Arg	Lys	Gln	Arg	Ser	Gly	Glu	Val	Glu		
		115					120					125			

<210> 5
 <211> 156
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TACI-4

<400> 5

Gly Gly Arg Ser Arg Val Asp Gln Glu Glu Arg Phe Pro Gln Gly Leu
 1 5 10 15

Trp Thr Gly Val Ala Met Arg Ser Cys Pro Glu Glu Gln Tyr Trp Asp
 20 25 30

Pro Leu Leu Gly Thr Cys Met Ser Cys Lys Thr Ile Cys Asn His Gln
 35 40 45

Ser Gln Arg Thr Cys Ala Ala Phe Cys Arg Ser Leu Ser Cys Arg Lys
 50 55 60

Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg Asp Cys Ile Ser Cys
 65 70 75 80

Ala Ser Ile Cys Gly Gln His Pro Lys Gln Cys Ala Tyr Phe Cys Glu
 85 90 95

Asn Lys Leu Arg Ser Pro Val Asn Leu Pro Pro Glu Leu Arg Lys Gln
 100 105 110

Arg Ser Gly Glu Val Glu Asn Asn Ser Asp Asn Ser Gly Lys Tyr Gln
 115 120 125

Gly Leu Glu His Arg Gly Ser Glu Ala Ser Pro Ala Leu Pro Gly Leu
 130 135 140

Lys Leu Ser Ala Asp Gln Val Ala Leu Val Tyr Ser
 145 150 155

<210> 6
 <211> 125
 <212> PRT

<213> Artificial Sequence

<220>

<223> TACI-5

<400> 6

Gly Gly Arg Ser Arg Val Asp Gln Glu Glu Arg Phe Pro Gln Gly Leu
1 5 10 15

Trp Thr Gly Val Ala Met Arg Ser Cys Pro Glu Glu Gln Tyr Trp Asp
20 25 30

Pro Leu Leu Gly Thr Cys Met Ser Cys Lys Thr Ile Cys Asn His Gln
35 40 45

Ser Gln Arg Thr Cys Ala Ala Phe Cys Arg Ser Leu Ser Cys Arg Lys
50 55 60

Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg Asp Cys Ile Ser Cys
65 70 75 80

Ala Ser Ile Cys Gly Gln His Pro Lys Gln Cys Ala Tyr Phe Cys Glu
85 90 95

Asn Lys Leu Arg Ser Pro Val Asn Leu Pro Pro Glu Leu Arg Lys Gln
100 105 110

Arg Ser Gly Glu Val Glu Asn Asn Ser Asp Asn Ser Gly
115 120 125

<210> 7

<211> 118

<212> PRT

<213> Artificial Sequence

<220>

<223> TACI-6

<400> 7

Gly Gly Arg Ser Arg Val Asp Gln Glu Glu Arg Phe Pro Gln Gly Leu
1 5 10 15

Trp Thr Gly Val Ala Met Arg Ser Cys Pro Glu Glu Gln Tyr Trp Asp
20 25 30

Pro Leu Leu Gly Thr Cys Met Ser Cys Lys Thr Ile Cys Asn His Gln
35 40 45

Ser Gln Arg Thr Cys Ala Ala Phe Cys Arg Ser Leu Ser Cys Arg Lys
50 55 60

Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg Asp Cys Ile Ser Cys
65 70 75 80

Ala Ser Ile Cys Gly Gln His Pro Lys Gln Cys Ala Tyr Phe Cys Glu
85 90 95

Asn Lys Leu Arg Ser Pro Val Asn Leu Pro Pro Glu Leu Arg Lys Gln
100 105 110

Arg Ser Gly Glu Val Glu
115

<210> 8

<211> 96

<212> PRT

<213> Artificial Sequence

<220>

<223> TACI-7

<400> 8

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

Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met Ser Cys Lys Thr
20 25 30

Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala Phe Cys Arg Ser
35 40 45

Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg
50 55 60

Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln Cys
65 70 75 80

Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val Asn Leu Pro Pro
85 90 95

<210> 9
<211> 98
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-8

<400> 9

Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val Asn Leu Pro
35 40 45

Pro Glu Leu Arg Lys Gln Arg Ser Gly Glu Val Glu Asn Asn Ser Asp
50 55 60

Asn Ser Gly Lys Tyr Gln Gly Leu Glu His Arg Gly Ser Glu Ala Ser
65 70 75 80

Pro Ala Leu Pro Gly Leu Lys Leu Ser Ala Asp Gln Val Ala Leu Val
85 90 95

Tyr Ser

<210> 10
<211> 41
<212> PRT
<213> Artificial Sequence

<220>

<223> TACI-9

<400> 10

Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
35 40

<210> 11

<211> 227

<212> PRT

<213> Homo sapiens

<400> 11

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Ala Glu Gly
1 5 10 15

Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ser Ser Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

<210> 12
<211> 333
<212> PRT
<213> Artificial Sequence

<220>
<223> Amino acid sequence of RCT-18

<400> 12

Ser Arg Val Asp Gln Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly
1 5 10 15

Val Ala Met Arg Ser Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu
20 25 30

Gly Thr Cys Met Ser Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg
35 40 45

Thr Cys Ala Ala Phe Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly

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

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
275 280 285

Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
290 295 300

Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
305 310 315 320

His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 13
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-10

<400> 13

Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys
35 40

<210> 14
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-11

<400> 14

Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn
35

<210> 15
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-12

<400> 15

Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu
35

<210> 16
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-13

<400> 16

Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys
35

<210> 17
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-14

<400> 17

Ser	Leu	Ser	Cys	Arg	Lys	Glu	Gln	Gly	Lys	Phe	Tyr	Asp	His	Leu	Leu
1				5					10					15	

Arg	Asp	Cys	Ile	Ser	Cys	Ala	Ser	Ile	Cys	Gly	Gln	His	Pro	Lys	Gln
			20					25					30		

Cys	Ala	Tyr	Phe
			35

<210> 18
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-1

<400> 18

Ser	Thr	Ser	Cys	Arg	Lys	Glu	Gln	Gly	Lys	Phe	Tyr	Asp	His	Leu	Leu
1				5					10					15	

Arg	Asp	Cys	Ile	Ser	Cys	Ala	Ser	Ile	Cys	Gly	Gln	His	Pro	Lys	Gln
			20					25					30		

Cys	Ala	Tyr	Phe	Cys	Glu	Asn	Lys	Leu
			35				40	

<210> 19
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-2

<400> 19

Ser Leu Ser Cys Ser Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
35 40

<210> 20
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-3

<400> 20

Ser Leu Ser Cys Arg Glu Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
35 40

<210> 21
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-4

<400> 21

Ser Leu Ser Cys Arg Gln Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
35 40

<210> 22
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-5

<400> 22

Ser Leu Ser Cys Arg Lys Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
35 40

<210> 23
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-6

<400> 23

Ser Arg Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Thr Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
35 40

<210> 24
<211> 41
<212> PRT
<213> Artificial Sequence

<220>

<223> TACI-9-7

<400> 24

Ser Arg Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Ala Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
35 40

<210> 25

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> TACI-9-8

<400> 25

Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Phe Cys Glu Asn Lys Leu
35 40

<210> 26

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> TACI-9-9

<400> 26

Ser Arg Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Thr Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Arg Phe Cys Glu Asn Lys Leu
 35 40

<210> 27
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TACI-9-10

<400> 27

Ser Leu Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
 1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
 35 40

<210> 28
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TACI-9-11

<400> 28

Ser Leu Ser Cys Ser Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
 1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Tyr Phe Cys Glu Asn Lys Leu
 35 40

<210> 29

<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-12

<400> 29

Ser Thr Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Phe Cys Glu Asn Lys Leu
35 40

<210> 30
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-13

<400> 30

Ser Thr Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Tyr Tyr Cys Glu Asn Lys Leu
35 40

<210> 31
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-14

<400> 31

Ser Thr Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Tyr Cys Glu Asn Lys Leu
35 40

<210> 32
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-15

<400> 32

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Phe Cys Glu Asn Lys Leu
35 40

<210> 33
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-9-15a

<400> 33

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Phe Cys Glu Asn Lys

35

40

<210> 34
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TACI-9-15b

<400> 34

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
 1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Ala Phe Cys Glu Asn
 35

<210> 35
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TACI-9-15c

<400> 35

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
 1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Ala Phe Cys Glu
 35

<210> 36
 <211> 273
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Sequence of TACI-9-15Fc1 fusion protein

<400> 36

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Phe Cys Glu Asn Lys Leu Glu Pro Lys Ser Ser Asp Lys
35 40 45

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
50 55 60

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
65 70 75 80

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
85 90 95

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
100 105 110

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
115 120 125

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
130 135 140

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
145 150 155 160

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
165 170 175

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
180 185 190

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu

195

200

205

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
 210 215 220

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
 225 230 235 240

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
 245 250 255

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
 260 265 270

Lys

<210> 37

<211> 271

<212> PRT

<213> Artificial Sequence

<220>

<223> Sequence of TACI-9-15Fc2 fusion protein

<400> 37

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
 1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Ala Phe Cys Glu Asn Glu Pro Lys Ser Ser Asp Lys Thr His
 35 40 45

Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val
 50 55 60

Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
 65 70 75 80

Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
85 90 95

Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
100 105 110

Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser
115 120 125

Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
130 135 140

Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
145 150 155 160

Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
165 170 175

Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
180 185 190

Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
195 200 205

Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
210 215 220

Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
225 230 235 240

Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
245 250 255

His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
260 265 270

<210> 38

<211> 270

<212> PRT

<213> Artificial Sequence

<220>

<223> Sequence of TACI-9-15Fc3 fusion protein

<400> 38

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Phe Cys Glu Glu Pro Lys Ser Ser Asp Lys Thr His Thr
35 40 45

Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe
50 55 60

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
65 70 75 80

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
85 90 95

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
100 105 110

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
115 120 125

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
130 135 140

Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
145 150 155 160

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
165 170 175

Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
180 185 190

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
195 200 205

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
210 215 220

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
225 230 235 240

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
245 250 255

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
260 265 270

<210> 39
<211> 270
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence of TACI-9-15Fc4 fusion protein

<400> 39

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Gly Gly Gly Ser Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu
225 230 235 240

Phe Tyr Asp His Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys
245 250 255

Gly Gln His Pro Lys Gln Cys Ala Ala Phe Cys Glu Asn Lys
260 265 270

<210> 40
<211> 265
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence of TACI-9-15Fc5 fusion protein

<400> 40

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Phe Cys Glu Asp Lys Thr His Thr Cys Pro Pro Cys Pro
35 40 45

Ala Pro Glu Ala Glu Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys
50 55 60

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
65 70 75 80

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
85 90 95

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
100 105 110

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
115 120 125

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
130 135 140

Ala Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
145 150 155 160

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu
165 170 175

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
180 185 190

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
195 200 205

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
 210 215 220

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 225 230 235 240

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 245 250 255

Lys Ser Leu Ser Leu Ser Pro Gly Lys
 260 265

<210> 41
 <211> 270
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Sequence of TACI-9-15Fc6 fusion protein

<400> 41

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
 1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Ala Phe Cys Glu Glu Pro Lys Ser Ser Asp Lys Thr His Thr
 35 40 45

Cys Pro Pro Cys Pro Ala Pro Glu Ala Glu Gly Ala Pro Ser Val Phe
 50 55 60

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
 65 70 75 80

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
 85 90 95

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
 100 105 110

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
115 120 125

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
130 135 140

Lys Val Ser Asn Lys Ala Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser
145 150 155 160

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
165 170 175

Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
180 185 190

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
195 200 205

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
210 215 220

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
225 230 235 240

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
245 250 255

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
260 265 270

<210> 42
<211> 313
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence of TACI-9-15Fc7 fusion protein

<400> 42

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu

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

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
 225 230 235 240

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
 245 250 255

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly
 260 265 270

Ser Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu
 275 280 285

Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys
 290 295 300

Gln Cys Ala Ala Phe Cys Glu Gln Lys
 305 310

<210> 43
 <211> 313
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Sequence of TACI-9-15Fc8 fusion protein

<400> 43

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
 1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Ala Phe Cys Glu Glu Pro Lys Ser Ser Asp Lys Thr His Thr
 35 40 45

Cys Pro Pro Cys Pro Ala Pro Glu Ala Glu Gly Ala Pro Ser Val Phe
 50 55 60

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro

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

Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys
 290 295 300

Gln Cys Ala Ala Phe Cys Glu Ser Lys
 305 310

<210> 44
 <211> 313
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Sequence of TACI-9-15Fc9 fusion protein

<400> 44

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
 1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
 20 25 30

Cys Ala Ala Phe Cys Glu Glu Pro Lys Ser Ser Asp Lys Thr His Thr
 35 40 45

Cys Pro Pro Cys Pro Ala Pro Glu Ala Glu Gly Ala Pro Ser Val Phe
 50 55 60

Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
 65 70 75 80

Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
 85 90 95

Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
 100 105 110

Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
 115 120 125

Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys

130

135

140

Lys Val Ser Asn Lys Ala Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser
 145 150 155 160

Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
 165 170 175

Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
 180 185 190

Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
 195 200 205

Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
 210 215 220

Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
 225 230 235 240

Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
 245 250 255

Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Gly Gly Gly
 260 265 270

Ser Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu
 275 280 285

Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys
 290 295 300

Gln Cys Ala Ala Phe Cys Glu Ser Ser
 305 310

<210> 45

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> Heavy chain variable region of ustekinumab

<400> 45

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Thr Tyr
20 25 30

Trp Leu Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Asp Trp Ile
35 40 45

Gly Ile Met Ser Pro Val Asp Ser Asp Ile Arg Tyr Ser Pro Ser Phe
50 55 60

Gln Gly Gln Val Thr Met Ser Val Asp Lys Ser Ile Thr Thr Ala Tyr
65 70 75 80

Leu Gln Trp Asn Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Arg Arg Pro Gly Gln Gly Tyr Phe Asp Phe Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 46

<211> 107

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain variable region of ustekinumab

<400> 46

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Glu Lys Ala Pro Lys Ser Leu Ile
 35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
 65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Ile Tyr Pro Tyr
 85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 47

<211> 449

<212> PRT

<213> Artificial Sequence

<220>

<223> Heavy chain of ustekinumab

<400> 47

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
 1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Thr Tyr
 20 25 30

Trp Leu Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Asp Trp Ile
 35 40 45

Gly Ile Met Ser Pro Val Asp Ser Asp Ile Arg Tyr Ser Pro Ser Phe
 50 55 60

Gln Gly Gln Val Thr Met Ser Val Asp Lys Ser Ile Thr Thr Ala Tyr
 65 70 75 80

Leu Gln Trp Asn Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
 85 90 95

Ala Arg Arg Arg Pro Gly Gln Gly Tyr Phe Asp Phe Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser Ser Ser Thr Lys Gly Pro Ser Val Phe
115 120 125

Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
130 135 140

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
145 150 155 160

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
165 170 175

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
180 185 190

Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
195 200 205

Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys
210 215 220

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
225 230 235 240

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
245 250 255

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
260 265 270

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
275 280 285

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
290 295 300

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
 305 310 315 320

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
 325 330 335

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
 340 345 350

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
 355 360 365

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
 370 375 380

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
 385 390 395 400

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
 405 410 415

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
 420 425 430

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
 435 440 445

Lys

<210> 48

<211> 214

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain of ustekinumab

<400> 48

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Glu Lys Ala Pro Lys Ser Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Ile Tyr Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr Val Ala Ala
100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
195 200 205

Phe Asn Arg Gly Glu Cys
210

<210> 49
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Ustekinumab LCDR1

<400> 49

Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala
1 5 10

<210> 50
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Ustekinumab LCDR2

<400> 50

Ala Ala Ser Ser Leu Gln Ser
1 5

<210> 51
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Ustekinumab LCDR3

<400> 51

Gln Gln Tyr Asn Ile Tyr Pro Tyr Thr
1 5

<210> 52
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Ustekinumab HCDR1

<400> 52

Thr Tyr Trp Leu Gly
1 5

<210> 53
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Ustekinumab HCDR2

<400> 53

Ile Met Ser Pro Val Asp Ser Asp Ile Arg Tyr Ser Pro Ser Phe Gln
1 5 10 15

Gly

<210> 54
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Ustekinumab HCDR3

<400> 54

Arg Arg Pro Gly Gln Gly Tyr Phe Asp Phe
1 5 10

<210> 55
<211> 492
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain of TACI-Mab1

<400> 55

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Thr Tyr
20 25 30

Trp Leu Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Asp Trp Ile
 35 40 45

Gly Ile Met Ser Pro Val Asp Ser Asp Ile Arg Tyr Ser Pro Ser Phe
 50 55 60

Gln Gly Gln Val Thr Met Ser Val Asp Lys Ser Ile Thr Thr Ala Tyr
 65 70 75 80

Leu Gln Trp Asn Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
 85 90 95

Ala Arg Arg Arg Pro Gly Gln Gly Tyr Phe Asp Phe Trp Gly Gln Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
 115 120 125

Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
 130 135 140

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
 145 150 155 160

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
 165 170 175

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
 180 185 190

Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
 195 200 205

Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys
 210 215 220

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
 225 230 235 240

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
245 250 255

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
260 265 270

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
275 280 285

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
290 295 300

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
305 310 315 320

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
325 330 335

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
340 345 350

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
355 360 365

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
370 375 380

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
385 390 395 400

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
405 410 415

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
420 425 430

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
435 440 445

Gly Gly Gly Ser Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr

450

455

460

Asp His Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln
 465 470 475 480

His Pro Lys Gln Cys Ala Ala Phe Cys Glu Asn Lys
 485 490

<210> 56

<211> 214

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain of TACI-Mab1

<400> 56

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp
 20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Glu Lys Ala Pro Lys Ser Leu Ile
 35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
 65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Ile Tyr Pro Tyr
 85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr Val Ala Ala
 100 105 110

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
 115 120 125

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
 130 135 140

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
 145 150 155 160

Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
 165 170 175

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
 180 185 190

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
 195 200 205

Phe Asn Arg Gly Glu Cys
 210

<210> 57
 <211> 492
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Heavy chain of TACI-Mab2

<400> 57

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
 1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Thr Tyr
 20 25 30

Trp Leu Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Asp Trp Ile
 35 40 45

Gly Ile Met Ser Pro Val Asp Ser Asp Ile Arg Tyr Ser Pro Ser Phe
 50 55 60

Gln Gly Gln Val Thr Met Ser Val Asp Lys Ser Ile Thr Thr Ala Tyr
 65 70 75 80

Leu Gln Trp Asn Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Arg Arg Pro Gly Gln Gly Tyr Phe Asp Phe Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
115 120 125

Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
130 135 140

Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
145 150 155 160

Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
165 170 175

Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
180 185 190

Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
195 200 205

Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys
210 215 220

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
225 230 235 240

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
245 250 255

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
260 265 270

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
275 280 285

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
290 295 300

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
305 310 315 320

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
325 330 335

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
340 345 350

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
355 360 365

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
370 375 380

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
385 390 395 400

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
405 410 415

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
420 425 430

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
435 440 445

Gly Gly Gly Ser Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr
450 455 460

Asp His Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln
465 470 475 480

His Pro Lys Gln Cys Ala Ala Phe Cys Glu Asn Lys
485 490

<210> 58

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

<220>
<223> Light chain of TACI-Mab2

<400> 58

Ser Thr Ser Cys Arg Glu Glu Gln Gly Glu Phe Tyr Asp His Leu Leu
1 5 10 15

Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln
20 25 30

Cys Ala Ala Phe Cys Glu Asn Lys Leu Gly Gly Gly Gly Ser Gly Gly
35 40 45

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
50 55 60

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
65 70 75 80

Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala Trp Tyr Gln Gln Lys Pro
85 90 95

Glu Lys Ala Pro Lys Ser Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser
100 105 110

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
115 120 125

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
130 135 140

Gln Gln Tyr Asn Ile Tyr Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
145 150 155 160

Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro
165 170 175

Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu
180 185 190

Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn
195 200 205

Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser
210 215 220

Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala
225 230 235 240

Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly
245 250 255

Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
260 265 270

<210> 59
<211> 453
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain of belimumab

<400> 59

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Asn Asn
20 25 30

Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Met Phe Gly Thr Ala Lys Tyr Ser Gln Asn Phe
50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Glu Ser Thr Gly Thr Ala Ser
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ser Arg Asp Leu Leu Leu Phe Pro His His Ala Leu Ser Pro
100 105 110

Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Ala Ser Thr Lys Gly
115 120 125

Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly
130 135 140

Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val
145 150 155 160

Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe
165 170 175

Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val
180 185 190

Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val
195 200 205

Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys
210 215 220

Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu
225 230 235 240

Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
245 250 255

Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
260 265 270

Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val
275 280 285

Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser
290 295 300

Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
305 310 315 320

Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala
325 330 335

Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
340 345 350

Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln
355 360 365

Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
370 375 380

Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
385 390 395 400

Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
405 410 415

Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
420 425 430

Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
435 440 445

Leu Ser Pro Gly Lys
450

<210> 60
<211> 214
<212> PRT
<213> Artificial Sequence

<220>
<223> Light chain of belimumab

<400> 60

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
 1 5 10 15

Thr Val Arg Val Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
 20 25 30

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
 35 40 45

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Arg Asp Ser Ser Gly Asn His
 85 90 95

Trp Val Phe Gly Gly Gly Thr Glu Leu Thr Val Leu Gly Gln Pro Lys
 100 105 110

Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln
 115 120 125

Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly
 130 135 140

Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly
 145 150 155 160

Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala
 165 170 175

Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser
 180 185 190

Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val
 195 200 205

Ala Pro Thr Glu Cys Ser
210

<210> 61
<211> 227
<212> PRT
<213> Artificial Sequence

<220>
<223> Fc sequence 1 of human IgG

<400> 61

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly Lys
225

<210> 62
<211> 226
<212> PRT
<213> Artificial Sequence

<220>
<223> Fc sequence 2 of human IgG

<400> 62

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His
35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile
100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser
130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
210 215 220

Pro Gly
225

<210> 63
<211> 226
<212> PRT
<213> Artificial Sequence

<220>
<223> Fc sequence 3 of human IgG

<400> 63

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Ala Glu Gly
1 5 10 15

Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met

30

Pro Gly
225

<210> 64
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence 1

<400> 64

Glu Pro Lys Ser Ser
1 5

<210> 65
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence 2

<400> 65

Gly Gly Gly Ser
1

<210> 66
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence 3

<400> 66

Gly Gly Gly Gly Ser
1 5

<210> 67
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence 4

<400> 67

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 68
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-16

<400> 68

Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg
1 5 10 15

Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln Cys
20 25 30

Ala Tyr Phe Cys Glu
35

<210> 69
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> TACI-17

<400> 69

Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg Asp
1 5 10 15

Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln Cys Ala
20 25 30

Tyr Phe Cys Glu
35

<210> 70
<211> 35
<212> PRT
<213> Artificial Sequence

<220>

<223> TACI-18

<400> 70

Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg Asp Cys
1 5 10 15

Ile Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln Cys Ala Tyr
20 25 30

Phe Cys Glu
35

<210> 71

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> TACI-19

<400> 71

Arg Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg Asp Cys Ile
1 5 10 15

Ser Cys Ala Ser Ile Cys Gly Gln His Pro Lys Gln Cys Ala Tyr Phe
20 25 30

Cys Glu

<210> 72

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> TACI-20

<400> 72

Lys Glu Gln Gly Lys Phe Tyr Asp His Leu Leu Arg Asp Cys Ile Ser
1 5 10 15

Cys	Ala	Ser	Ile	Cys	Gly	Gln	His	Pro	Lys	Gln	Cys	Ala	Tyr	Phe	Cys
			20					25					30		

Glu

<210> 73
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> TACI-21

<400> 73

Glu	Gln	Gly	Lys	Phe	Tyr	Asp	His	Leu	Leu	Arg	Asp	Cys	Ile	Ser	Cys
1				5				10					15		

Ala	Ser	Ile	Cys	Gly	Gln	His	Pro	Lys	Gln	Cys	Ala	Tyr	Phe	Cys	Glu
			20					25					30		