

SEQUENCE LISTING

<110> Seattle Genetics, Inc.

<120> CD47 ANTIBODIES AND USES THEREOF FOR TREATING CANCER

<130> 01218-0002-00PCT

<150> US 62/593,712

<151> 2017-12-01

<160> 95

<170> PatentIn version 3.5

<210> 1

<211> 118

<212> PRT

<213> unknown

<220>

<223> Murine

<400> 1

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

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

Gly Met Ser Trp Val Arg Gln Thr Pro Asp Lys Arg Leu Glu Trp Val
35 40 45

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Ile Asp Ser Leu Lys Ser Glu Asp Thr Ala Ile Tyr Phe Cys
85 90 95

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Ser Val Thr Val Ser Ser

115

<210> 2
<211> 118
<212> PRT
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<220>
<223> Humanized heavy chain variable region

<400> 2

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

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

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 3
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<212> PRT
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<220>
<223> Humanized heavy chain variable region

<400> 3

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
35 40 45

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Phe Cys
85 90 95

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 4
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Humanized heavy chain variable region

<400> 4

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

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

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 5
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<220>
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<400> 5

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 6
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<220>
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<400> 6

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

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

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

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

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

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<400> 7

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Ser Ser
115

<210> 8

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<400> 8

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr

20

25

30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
 35 40 45

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Thr Ser Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
 65 70 75 80

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

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser
 115

<210> 9
 <211> 108
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<220>
 <223> Murine

<400> 9

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

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

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

Lys Phe Ala Ser Gln Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly
 50 55 60

Ser Gly Ser Gly Ser Asp Phe Thr Leu Ser Ile Asn Ser Val Glu Pro

65		70		75		80									
Glu	Asp	Val	Gly	Val	Tyr	Tyr	Cys	Gln	Asn	Gly	His	Gly	Phe	Pro	Arg
				85					90					95	

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

<210> 10
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<220>
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<400> 10

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

Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Gln	Thr	Ile	Ser	Asp	Tyr
			20					25					30		

Leu	His	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile
		35					40					45			

Lys	Phe	Ala	Ser	Gln	Ser	Ile	Ser	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly
	50					55					60				

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

Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Asn	Gly	His	Gly	Phe	Pro	Arg
				85					90					95	

Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys	Arg
			100					105			

<210> 11
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 <212> PRT
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<220>

<223> Humanized light chain variable region

<400> 11

Glu Ile Val Met Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys
1 5 10 15

Glu Lys Val Thr Leu Thr Cys Arg Ala Ser Gln Thr Ile Ser Asp Tyr
20 25 30

Leu His Trp Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile
35 40 45

Lys Phe Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

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

Glu Asp Ala Ala Val Tyr Tyr Cys Gln Asn Gly His Gly Phe Pro Arg
85 90 95

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

<210> 12

<211> 108

<212> PRT

<213> Artificial Sequence

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<400> 12

Glu Ile Val Met Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys
1 5 10 15

Glu Lys Val Thr Leu Thr Cys Arg Ala Ser Gln Thr Ile Ser Asp Tyr
20 25 30

Leu His Trp Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile
35 40 45

Lys Phe Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

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

Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Asn Gly His Gly Phe Pro Arg
85 90 95

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

<210> 13
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Humanized light chain variable region

<400> 13

Glu Ile Val Met Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys
1 5 10 15

Glu Lys Val Thr Leu Thr Cys Arg Ala Ser Gln Thr Ile Ser Asp Tyr
20 25 30

Leu His Trp Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile
35 40 45

Lys Phe Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

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

Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Asn Gly His Gly Phe Pro Arg
85 90 95

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

<210> 14
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Humanized light chain variable region

<400> 14

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

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

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

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

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

Glu Asp Val Ala Thr Tyr Tyr Cys Gln Asn Gly His Gly Phe Pro Arg
85 90 95

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

<210> 15
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
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<400> 15

Glu Ile Val Met Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys
1 5 10 15

Glu Lys Val Thr Leu Thr Cys Arg Ala Ser Gln Thr Ile Ser Asp Tyr

20

25

30

Leu His Trp Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile
 35 40 45

Lys Phe Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60

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

Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Asn Ala His Gly Phe Pro Arg
 85 90 95

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

<210> 16

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<220>

<223> Heavy chain CDR sequence

<400> 16

Gly Tyr Gly Met Ser
 1 5

<210> 17

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Heavy chain CDR sequence

<400> 17

Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys
 1 5 10 15

Gly

<210> 18
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 18

Ser Leu Ala Gly Asn Ala Met Asp Tyr
1 5

<210> 19
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 19

Ser Tyr Ala Met Ser
1 5

<210> 20
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 20

Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 21
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 21

Ser Tyr Gly Met Asn
1 5

<210> 22

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Heavy chain CDR sequence

<400> 22

Thr Ile Thr Ser Gly Gly Thr Tyr Ile Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 23

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Heavy chain CDR sequence

<400> 23

Ser Tyr Gly Met His
1 5

<210> 24

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Heavy chain CDR sequence

<400> 24

Thr Ile Thr Ser Gly Gly Thr Tyr Thr Ser Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 25
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 25

Gly Phe Thr Phe Ser Gly Tyr Gly
1 5

<210> 26
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 26

Ile Thr Ser Gly Gly Thr Tyr Thr
1 5

<210> 27
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 27

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr
1 5 10

<210> 28
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 28

Gly Phe Thr Phe Ser Ser Tyr Ala
1 5

<210> 29
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 29

Gly Phe Thr Phe Ser Ser Tyr Gly
1 5

<210> 30
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heavy chain CDR sequence

<400> 30

Ile Thr Ser Gly Gly Thr Tyr Ile
1 5

<210> 31
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Light chain CDR sequence

<400> 31

Arg Ala Ser Gln Thr Ile Ser Asp Tyr Leu His
1 5 10

<210> 32
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Light chain CDR sequence

<400> 32

Phe Ala Ser Gln Ser Ile Ser
1 5

<210> 33

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 33

Gln Asn Gly His Gly Phe Pro Arg Thr
1 5

<210> 34

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 34

Arg Ala Ser Gln Thr Ile Ser Asn Tyr Leu Ala
1 5 10

<210> 35

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 35

Phe Ala Ser Thr Leu Gln Ser
1 5

<210> 36

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 36

Gln Asn Ala His Gly Phe Pro Arg Thr
1 5

<210> 37

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 37

Gln Thr Ile Ser Asp Tyr
1 5

<210> 38

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 38

Phe Ala Ser
1

<210> 39

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 39

Gln Asn Gly His Gly Phe Pro Arg Thr
1 5

<210> 40

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 40

Gln Thr Ile Ser Asn Tyr
1 5

<210> 41

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Light chain CDR sequence

<400> 41

Gln Asn Ala His Gly Phe Pro Arg Thr
1 5

<210> 42

<211> 488

<212> PRT

<213> Artificial Sequence

<220>

<223> Masked heavy chain

<400> 42

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

Leu Glu Asp Glu Asn Tyr Ala Leu Lys Thr Lys Val Ala Gln Leu Arg
20 25 30

Lys Lys Val Glu Lys Leu Gly Ser Ile Pro Val Ser Leu Arg Ser Gly
35 40 45

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
50 55 60

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr
65 70 75 80

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
85 90 95

Ala Thr Ile Thr Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val
100 105 110

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
115 120 125

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Phe Cys
130 135 140

Ala Arg Ser Leu Ala Gly Asn Ala Met Asp Tyr Trp Gly Gln Gly Thr
145 150 155 160

Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
165 170 175

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
180 185 190

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
195 200 205

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
210 215 220

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
225 230 235 240

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
245 250 255

Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr
260 265 270

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
275 280 285

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

290

295

300

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
 305 310 315 320

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
 325 330 335

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
 340 345 350

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
 355 360 365

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
 370 375 380

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
 385 390 395 400

Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys
 405 410 415

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
 420 425 430

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
 435 440 445

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
 450 455 460

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
 465 470 475 480

Leu His Asn His Tyr Thr Gln Lys
 485

<210> 43

<211> 262

<212> PRT

<213> Artificial Sequence

<220>

<223> Masked light chain

<400> 43

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

Leu Arg Ala Glu Asn Tyr Glu Leu Lys Ser Glu Val Gln Arg Leu Glu
20 25 30

Glu Gln Val Ala Gln Leu Gly Ser Ile Pro Val Ser Leu Arg Ser Gly
35 40 45

Glu Ile Val Met Thr Gln Ser Pro Asp Phe Gln Ser Val Thr Pro Lys
50 55 60

Glu Lys Val Thr Leu Thr Cys Arg Ala Ser Gln Thr Ile Ser Asp Tyr
65 70 75 80

Leu His Trp Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile
85 90 95

Lys Phe Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
100 105 110

Ser Gly Ser Gly Ser Asp Phe Thr Leu Thr Ile Asn Ser Leu Glu Ala
115 120 125

Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Asn Gly His Gly Phe Pro Arg
130 135 140

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr Val Ala Ala
145 150 155 160

Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
165 170 175

Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
180 185 190

Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
195 200 205

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

Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
225 230 235 240

Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
245 250 255

Phe Asn Arg Gly Glu Cys
260

<210> 44
<211> 54
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<220>
<223> Masking domain sequence

<400> 44

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

Gln Asp Glu Asn Tyr Ala Leu Lys Thr Lys Val Ala Gln Leu Arg Lys
20 25 30

Lys Val Glu Lys Leu Ser Glu Gly Gly Gly Gly Gly Pro Leu Gly Val
35 40 45

Arg Gly Gly Gly Gly Ser
50

<210> 45
<211> 54
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 45

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

Arg Ala Gln Asn Tyr Glu Leu Glu Ser Glu Val Gln Arg Leu Arg Glu
20 25 30

Gln Val Ala Gln Leu Ala Ser Gly Gly Gly Gly Gly Pro Leu Gly Val
35 40 45

Arg Gly Gly Gly Gly Ser
50

<210> 46

<211> 55

<212> PRT

<213> Artificial Sequence

<220>

<223> Masking domain sequence

<400> 46

Leu Glu Ile Glu Ala Ala Phe Leu Glu Arg Glu Asn Thr Ala Leu Glu
1 5 10 15

Thr Arg Val Ala Glu Leu Arg Gln Arg Val Gln Arg Ala Arg Asn Arg
20 25 30

Val Ser Gln Tyr Arg Thr Arg Tyr Gly Gly Gly Gly Gly Pro Leu Gly
35 40 45

Val Arg Gly Gly Gly Gly Ser
50 55

<210> 47

<211> 55

<212> PRT

<213> Artificial Sequence

<220>

<223> Masking domain sequence

<400> 47

Leu Glu Ile Arg Ala Ala Phe Leu Arg Gln Arg Asn Thr Ala Leu Arg
1 5 10 15

Thr Glu Val Ala Glu Leu Glu Gln Glu Val Gln Arg Leu Glu Asn Glu
20 25 30

Val Ser Gln Tyr Glu Thr Arg Tyr Gly Gly Gly Gly Gly Pro Leu Gly
35 40 45

Val Arg Gly Gly Gly Gly Ser
50 55

<210> 48

<211> 56

<212> PRT

<213> Artificial Sequence

<220>

<223> Masking domain sequence

<400> 48

Leu Glu Ile Arg Ala Ala Phe Leu Arg Arg Arg Asn Thr Ala Leu Arg
1 5 10 15

Thr Arg Val Ala Glu Leu Arg Gln Arg Val Gln Arg Leu Arg Asn Ile
20 25 30

Val Ser Gln Tyr Glu Thr Arg Tyr Gly Gly Gly Gly Gly Gly Pro Leu
35 40 45

Gly Val Arg Gly Gly Gly Gly Ser
50 55

<210> 49

<211> 56

<212> PRT

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<220>

<223> Masking domain sequence

<400> 49

Leu Glu Ile Glu Ala Ala Phe Leu Glu Gln Glu Asn Thr Ala Leu Glu

1	5	10	15												
Thr	Glu	Val	Ala	Glu	Leu	Glu	Gln	Glu	Val	Gln	Arg	Leu	Glu	Asn	Ile
			20					25					30		
Val	Ser	Gln	Tyr	Glu	Thr	Arg	Tyr	Gly	Gly	Gly	Gly	Gly	Gly	Pro	Leu
		35					40					45			
Gly	Val	Arg	Gly	Gly	Gly	Gly	Ser								
	50						55								

<210> 50
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<220>
 <223> Masking domain sequence

<400> 50

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

Glu	Asp	Glu	Asn	Tyr	Ala	Leu	Lys	Thr	Lys	Val	Ala	Gln	Leu	Arg	Lys
			20					25					30		

Lys	Val	Glu	Lys	Leu	Gly	Ser	Ile	Pro	Val	Ser	Leu	Arg	Ser	Gly	
		35				40						45			

<210> 51
 <211> 47
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Masking domain sequence

<400> 51

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

Arg	Ala	Glu	Asn	Tyr	Glu	Leu	Lys	Ser	Glu	Val	Gln	Arg	Leu	Glu	Glu
			20					25					30		

Gln Val Ala Gln Leu Gly Ser Ile Pro Val Ser Leu Arg Ser Gly
35 40 45

<210> 52
<211> 57
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 52

Gly Ala Leu Thr Asp Thr Leu Gln Ala Glu Thr Asp Gln Leu Glu Asp
1 5 10 15

Lys Lys Ser Ala Leu Gln Thr Glu Ile Ala Asn Leu Leu Lys Glu Lys
20 25 30

Glu Lys Leu Glu Phe Ile Leu Ala Ala His Gly Gly Gly Gly Gly Pro
35 40 45

Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55

<210> 53
<211> 57
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 53

Gly Ala Arg Ile Ala Arg Leu Glu Glu Lys Val Lys Thr Leu Lys Ala
1 5 10 15

Gln Asn Ser Glu Leu Ala Ser Thr Ala Asn Met Leu Arg Glu Gln Val
20 25 30

Ala Gln Leu Lys Gln Lys Val Met Asn Tyr Gly Gly Gly Gly Gly Pro
35 40 45

Leu Gly Val Arg Gly Gly Gly Gly Ser

50

55

<210> 54
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 54

Gly Lys Ile Ala Ala Leu Lys Gln Lys Ile Ala Ala Leu Lys Tyr Lys
1 5 10 15

Asn Ala Ala Leu Lys Lys Lys Ile Ala Ala Leu Lys Gln Gly Gly Gly
20 25 30

Gly Gly Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
35 40

<210> 55
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 55

Gly Glu Ile Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu Glu Lys Glu
1 5 10 15

Asn Ala Ala Leu Glu Trp Glu Ile Ala Ala Leu Glu Gln Gly Gly Gly
20 25 30

Gly Gly Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
35 40

<210> 56

<400> 56
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<210> 57
<211> 6

<212> PRT
<213> Artificial Sequence

<220>
<223> Protease cleavage sequence

<400> 57

Gly Pro Leu Gly Val Arg
1 5

<210> 58
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Protease cleavage sequence

<400> 58

Ile Pro Val Ser Leu Arg Ser Gly
1 5

<210> 59
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 59

Gly Ser Gly Gly Ser
1 5

<210> 60
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 60

Gly Gly Gly Ser
1

<210> 61
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 61

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

<210> 62
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 62

Gly Gly Ala Ala
1

<210> 63
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 63

Gly Gly Gly Gly Ser
1 5

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

<220>
<223> exemplary linker

<400> 64

Leu Ala Ala Ala Ala
1 5

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

<220>
<223> exemplary linker

<400> 65

Gly Gly Ser Gly
1

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

<220>
<223> exemplary linker

<400> 66

Gly Gly Ser Gly Gly
1 5

<210> 67
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 67

Gly Ser Gly Ser Gly
1 5

<210> 68
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 68

Gly Ser Gly Gly Gly
1 5

<210> 69
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 69

Gly Gly Gly Ser Gly
1 5

<210> 70
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary linker

<400> 70

Gly Ser Ser Ser Gly
1 5

<210> 71
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary protease site

<220>
<221> misc_feature
<222> (4)..(6)
<223> Xaa can be any naturally occurring amino acid

<400> 71

Pro Leu Gly Xaa Xaa Xaa
1 5

<210> 72
<211> 5

<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary protease site

<400> 72

Pro Leu Gly Val Arg
1 5

<210> 73
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary protease site

<400> 73

Ile Pro Val Ser Leu Arg Ser Gly
1 5

<210> 74
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> exemplary protease site

<400> 74

Leu Ser Gly Arg Ser Asp Asn Tyr
1 5

<210> 75
<211> 57
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 75

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

Asp Gln Leu Gln Asp Glu Asn Tyr Ala Leu Lys Thr Lys Val Ala Gln
20 25 30

Leu Arg Lys Lys Val Glu Lys Leu Ser Glu Gly Gly Gly Gly Gly Pro
35 40 45

Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55

<210> 76
<211> 57
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 76

Glu Ala Cys Gly Ala Ser Thr Thr Val Ala Gln Leu Arg Glu Arg Val
1 5 10 15

Lys Thr Leu Arg Ala Gln Asn Tyr Glu Leu Glu Ser Glu Val Gln Arg
20 25 30

Leu Arg Glu Gln Val Ala Gln Leu Ala Ser Gly Gly Gly Gly Gly Pro
35 40 45

Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55

<210> 77
<211> 58
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 77

Glu Ala Cys Leu Glu Ile Glu Ala Ala Phe Leu Glu Arg Glu Asn Thr
1 5 10 15

Ala Leu Glu Thr Arg Val Ala Glu Leu Arg Gln Arg Val Gln Arg Ala
20 25 30

Arg Asn Arg Val Ser Gln Tyr Arg Thr Arg Tyr Gly Gly Gly Gly Gly
35 40 45

Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55

<210> 78
<211> 58
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 78

Glu Ala Cys Leu Glu Ile Arg Ala Ala Phe Leu Arg Gln Arg Asn Thr
1 5 10 15

Ala Leu Arg Thr Glu Val Ala Glu Leu Glu Gln Glu Val Gln Arg Leu
20 25 30

Glu Asn Glu Val Ser Gln Tyr Glu Thr Arg Tyr Gly Gly Gly Gly Gly
35 40 45

Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55

<210> 79
<211> 59
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 79

Glu Ala Cys Leu Glu Ile Arg Ala Ala Phe Leu Arg Arg Arg Asn Thr
1 5 10 15

Ala Leu Arg Thr Arg Val Ala Glu Leu Arg Gln Arg Val Gln Arg Leu
20 25 30

Arg Asn Ile Val Ser Gln Tyr Glu Thr Arg Tyr Gly Gly Gly Gly Gly
35 40 45

Gly Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55

<210> 80
<211> 59
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 80

Glu Ala Cys Leu Glu Ile Glu Ala Ala Phe Leu Glu Gln Glu Asn Thr
1 5 10 15

Ala Leu Glu Thr Glu Val Ala Glu Leu Glu Gln Glu Val Gln Arg Leu
20 25 30

Glu Asn Ile Val Ser Gln Tyr Glu Thr Arg Tyr Gly Gly Gly Gly Gly
35 40 45

Gly Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55

<210> 81
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 81

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

Asp Gln Leu Glu Asp Glu Asn Tyr Ala Leu Lys Thr Lys Val Ala Gln
20 25 30

Leu Arg Lys Lys Val Glu Lys Leu Gly Ser Ile Pro Val Ser Leu Arg
35 40 45

Ser Gly
50

<210> 82
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 82

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

Lys Thr Leu Arg Ala Glu Asn Tyr Glu Leu Lys Ser Glu Val Gln Arg
20 25 30

Leu Glu Glu Gln Val Ala Gln Leu Gly Ser Ile Pro Val Ser Leu Arg
35 40 45

Ser Gly
50

<210> 83
<211> 60
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 83

Glu Ala Cys Gly Ala Leu Thr Asp Thr Leu Gln Ala Glu Thr Asp Gln
1 5 10 15

Leu Glu Asp Lys Lys Ser Ala Leu Gln Thr Glu Ile Ala Asn Leu Leu
20 25 30

Lys Glu Lys Glu Lys Leu Glu Phe Ile Leu Ala Ala His Gly Gly Gly
35 40 45

Gly Gly Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55 60

<210> 84
<211> 60
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 84

Glu Ala Cys Gly Ala Arg Ile Ala Arg Leu Glu Glu Lys Val Lys Thr
1 5 10 15

Leu Lys Ala Gln Asn Ser Glu Leu Ala Ser Thr Ala Asn Met Leu Arg
20 25 30

Glu Gln Val Ala Gln Leu Lys Gln Lys Val Met Asn Tyr Gly Gly Gly
35 40 45

Gly Gly Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
50 55 60

<210> 85
<211> 47
<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 85

Glu Ala Cys Gly Lys Ile Ala Ala Leu Lys Gln Lys Ile Ala Ala Leu
1 5 10 15

Lys Tyr Lys Asn Ala Ala Leu Lys Lys Lys Ile Ala Ala Leu Lys Gln
20 25 30

Gly Gly Gly Gly Gly Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
35 40 45

<210> 86
<211> 47

<212> PRT
<213> Artificial Sequence

<220>
<223> Masking domain sequence

<400> 86

Glu Ala Cys Gly Glu Ile Ala Ala Leu Glu Gln Glu Ile Ala Ala Leu
1 5 10 15

Glu Lys Glu Asn Ala Ala Leu Glu Trp Glu Ile Ala Ala Leu Glu Gln
20 25 30

Gly Gly Gly Gly Gly Pro Leu Gly Val Arg Gly Gly Gly Gly Ser
35 40 45

<210> 87

<400> 87
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<210> 88
<211> 113
<212> PRT
<213> Homo sapiens

<400> 88

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

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

Ala Lys Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
100 105 110

Ser

<210> 89
<211> 113
<212> PRT
<213> Homo sapiens

<400> 89

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

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

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

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

Ala Arg Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
100 105 110

Ser

<210> 90
<211> 112
<212> PRT
<213> Homo sapiens

<400> 90

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

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

Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Val Ile Tyr Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
65 70 75 80

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

Arg Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
100 105 110

<210> 91

<211> 113

<212> PRT

<213> Homo sapiens

<400> 91

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Arg Ile Asn Ser Asp Gly Ser Ser Thr Ser Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr

65		70		75		80									
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala	Arg	Tyr	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser
			100					105					110		

Ser

<210> 92
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 92

Glu	Ile	Val	Leu	Thr	Gln	Ser	Pro	Asp	Phe	Gln	Ser	Val	Thr	Pro	Lys
1				5					10					15	

Glu	Lys	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Ser	Ile	Gly	Ser	Ser
			20					25					30		

Leu	His	Trp	Tyr	Gln	Gln	Lys	Pro	Asp	Gln	Ser	Pro	Lys	Leu	Leu	Ile
		35					40					45			

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

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

Glu	Asp	Ala	Ala	Thr	Tyr	Tyr	Cys	His	Gln	Ser	Ser	Ser	Leu	Pro	Thr
				85					90					95	

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

<210> 93
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 93

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 Asn Tyr
20 25 30

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

Tyr Ala Ala Ser Thr 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 Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Thr
85 90 95

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

<210> 94

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Masking domain sequence

<400> 94

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

Leu Glu Asp Glu Asn Tyr Ala Leu Lys Thr Lys Val Ala Gln Leu Arg
20 25 30

Lys Lys Val Glu Lys Leu Gly Ser
35 40

<210> 95

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

<220>
<223> Masking domain sequence

<400> 95

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

Leu	Arg	Ala	Glu	Asn	Tyr	Glu	Leu	Lys	Ser	Glu	Val	Gln	Arg	Leu	Glu
			20					25					30		

Glu	Gln	Val	Ala	Gln	Leu	Gly	Ser
		35				40	