

eolf-seql
SEQUENCE LISTING

<110> Suppremo1 GmbH
<120> Novel Fc gamma receptor IIB variants
<130> SUP14715PCT
<150> US13/663,527
<151> 2012-10-30

<160> 9

<170> PatentIn version 3.5

<210> 1
<211> 177
<212> PRT
<213> artificial

<220>
<223> Fc gamma receptor IIB variant

<400> 1

Met Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn
1 5 10 15

Val Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser
20 25 30

Pro Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro
35 40 45

Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser
50 55 60

Gly Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val
65 70 75 80

His Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu
85 90 95

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Glu Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys
100 105 110

Asp Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Lys
115 120 125

Lys Phe Ser Arg Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His
130 135 140

Ser His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu
145 150 155 160

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

Pro

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<223> Fc gamma receptor IIB variant

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Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val
1 5 10 15

Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser Pro
20 25 30

Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr
35 40 45

His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly

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50

55

60

Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His
65 70 75 80

Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu
85 90 95

Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp
100 105 110

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

Phe Ser Arg Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser
130 135 140

His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Tyr
145 150 155 160

Ser Ser Lys Pro Val Thr Ile Thr Val Gln Ala Pro Ser Ser Ser Pro
165 170 175

<210> 3

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<212> PRT

<213> artificial

<220>

<223> Fc gamma receptor IIB variant

<400> 3

Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val Leu
1 5 10 15

Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser Pro Glu
20 25 30

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Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr His
35 40 45

Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly Glu
50 55 60

Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His Leu
65 70 75 80

Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu Phe
85 90 95

Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp Lys
100 105 110

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

Ser Arg Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser His
130 135 140

Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Tyr Ser
145 150 155 160

Ser Lys Pro Val Thr Ile Thr Val Gln Ala Pro Ser Ser Ser Pro
165 170 175

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<212> PRT

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<220>

<223> Fc gamma receptor IIB variant

<400> 4

Pro Lys Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val Leu Gln

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

<210> 5
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 <213> artificial

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<220>

<223> Fc gamma receptor IIB variant

<400> 5

Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val Leu Gln Glu Asp
1 5 10 15

Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser Pro Glu Ser Asp Ser
20 25 30

Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr His Thr Gln Pro
35 40 45

Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly Glu Tyr Thr Cys
50 55 60

Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His Leu Thr Val Leu
65 70 75 80

Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu Phe Gln Glu Gly
85 90 95

Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp Lys Pro Leu Val
100 105 110

Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Lys Lys Phe Ser Arg Ser
115 120 125

Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser His Ser Gly Asp
130 135 140

Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Tyr Ser Ser Lys Pro
145 150 155 160

Val Thr Ile Thr Val Gln Ala Pro Ser Ser Ser Pro
165 170

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<210> 6
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 <212> DNA
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 <223> Fc gamma receptor IIB variant

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 tttcacaacg gcaatctgat tccgacccat acccagccga gctatcgttt taaagcgaac 180
 aacaacgata gcggcgaata tacctgtcag accggtcaga ccagcctgag cgatccgggt 240
 catctgaccg ttctgagcga atggctgggt ctgcagaccc cgcattctgga atttcaggaa 300
 ggcgaaacca ttgttctgcg ttgccacagc tggaaagata aaccgctggt taaagttacc 360
 ttcttccaga acggcaaaaag caaaaaattc agccgtagcg atccgaattt tagcattccg 420
 caggcgaatc atagccatag cggcgattat cattgtaccg gcaacattgg ctataccctg 480
 tatagcagca aaccggtgac cattaccgtt caggcgccga gcagcagccc gtaa 534

<210> 7
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<220>
 <223> Fc gamma receptor IIB variant

<400> 7

Met Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val Leu Gln Glu
 1 5 10 15

Asp Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser Pro Glu Ser Asp
 20 25 30

Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr His Thr Gln

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35

40

45

Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly Glu Tyr Thr
50 55 60

Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His Leu Thr Val
65 70 75 80

Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu Phe Gln Glu
85 90 95

Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp Lys Pro Leu
100 105 110

Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Lys Lys Phe Ser Arg
115 120 125

Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser His Ser Gly
130 135 140

Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Tyr Ser Ser Lys
145 150 155 160

Pro Val Thr Ile Thr Val
165

<210> 8

<211> 185

<212> PRT

<213> artificial

<220>

<223> Fc gamma receptor IIB variant

<400> 8

Met Gly Thr Pro Ala Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro
1 5 10 15

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Gln Trp Ile Asn Val Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg
20 25 30

Gly Thr His Ser Pro Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly
35 40 45

Asn Leu Ile Pro Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn
50 55 60

Asn Asn Asp Ser Gly Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu
65 70 75 80

Ser Asp Pro Val His Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln
85 90 95

Thr Pro His Leu Glu Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys
100 105 110

His Ser Trp Lys Asp Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn
115 120 125

Gly Lys Ser Lys Lys Phe Ser Arg Ser Asp Pro Asn Phe Ser Ile Pro
130 135 140

Gln Ala Asn His Ser His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile
145 150 155 160

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

Pro Ser Ser Ser Pro Met Gly Ile Ile
180 185

<210> 9

<211> 183

<212> PRT

eolf-seql

<213> artificial

<220>

<223> Fc gamma receptor IIB variant

<400> 9

Met Thr Pro Ala Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Gln
1 5 10 15

Trp Ile Asn Val Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly
20 25 30

Thr His Ser Pro Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn
35 40 45

Leu Ile Pro Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn
50 55 60

Asn Asp Ser Gly Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser
65 70 75 80

Asp Pro Val His Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr
85 90 95

Pro His Leu Glu Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His
100 105 110

Ser Trp Lys Asp Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly
115 120 125

Lys Ser Lys Lys Phe Ser Arg Ser Asp Pro Asn Phe Ser Ile Pro Gln
130 135 140

Ala Asn His Ser His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly
145 150 155 160

Tyr Thr Leu Tyr Ser Ser Lys Pro Val Thr Ile Thr Val Gln Ala Pro

170

165

175

Ser Ser Ser Pro Met Gly Ile
180