SEQUENCE LISTING

<110> ALEXION PHARMACEUTICALS, INC.

<120> Methods and Compositions for Treating Degos' Disease

<130> ALXN-153-WO1

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<150> 61/309,393
<151> 2010-03-01

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<170> PatentIn version 3.5

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

His Ile Gly Ile Ile Ser Phe Pro Asp Phe Lys Ile Pro Ser Asn Pro
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Arg Tyr Gly Met Trp Thr Ile Lys Ala Lys Tyr Lys Glu Asp Phe Ser
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Thr Thr Gly Thr Ala Tyr Phe Glu Val Lys Glu Tyr Val Leu Pro His
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Val Val Thr Glu Ala Asp Val Tyr Ile Thr Phe Gly Ile Arg Glu Asp
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Asn Leu Val Ala Thr Pro Leu Phe Leu Lys Pro Gly Ile Pro Tyr Pro
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Asp Leu Asp Pro Ser Lys Ser Val Thr Arg Val Asp Asp Gly Val Ala
385                 390                 395                 400

Ser Phe Val Leu Asn Leu Pro Ser Gly Val Thr Val Leu Glu Phe Asn
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Val Lys Thr Asp Ala Pro Asp Leu Pro Glu Glu Asn Gln Ala Arg Glu
            420                 425                 430

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Leu Glu Lys Ser Asp Leu Gly Cys Gly Ala Gly Gly Gly Leu Asn Asn
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Pro Arg Arg Thr Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr
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Arg Cys Ile Lys Ala Phe Thr Glu Cys Cys Val Val Ala Ser Gln Leu
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Lys Thr Leu Leu Pro Val Ser Lys Pro Glu Ile Arg Ser Tyr Phe Pro
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Glu Ser Trp Leu Trp Glu Val His Leu Val Pro Arg Arg Lys Gln Leu
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Gln Phe Ala Leu Pro Asp Ser Leu Thr Thr Trp Glu Ile Gln Gly Ile
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Gly Ile Ser Asn Thr Gly Ile Cys Val Ala Asp Thr Val Lys Ala Lys
785 790 795 800

Val Phe Lys Asp Val Phe Leu Glu Met Asn Ile Pro Tyr Ser Val Val
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Arg Gly Glu Gln Ile Gln Leu Lys Gly Thr Val Tyr Asn Tyr Arg Thr
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Thr Val Leu Pro Leu Glu Ile Gly Leu His Asn Ile Asn Phe Ser Leu
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Glu Thr Trp Phe Gly Lys Glu Ile Leu Val Lys Thr Leu Arg Val Val
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Pro Glu Gly Val Lys Arg Glu Ser Tyr Ser Gly Val Thr Leu Asp Pro
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Arg Gly Ile Tyr Gly Thr Ile Ser Arg Arg Lys Glu Phe Pro Tyr Arg
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Val Lys Gly Leu Leu Val Gly Glu Ile Leu Ser Ala Val Leu Ser Gln
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Glu Gly Ile Asn Ile Leu Thr His Leu Pro Lys Gly Ser Ala Glu Ala
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Glu Leu Met Ser Val Val Pro Val  Phe Tyr Val Phe His  Tyr Leu Glu
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Thr Gly  Asn His Trp Asn Ile  Phe His Ser Asp Pro  Leu Ile Glu
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Gly Ser  Ala Ser Thr Trp Leu  Thr Ala Phe Ala Leu  Arg Val Leu
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Gly Gln  Val Asn Lys Tyr Val  Glu Gln Asn Gln Asn  Ser Ile Cys
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Glu Asn Thr Leu Pro Ala Gln Ser Thr Phe Thr Leu Ala Ile Ser
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Ala Tyr Ala Leu Ser Leu Gly Asp Lys Thr His Pro Gln Phe Arg
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Ala Tyr Ala Leu Leu Thr Ser Leu Asn Leu Lys Asp Ile Asn Tyr
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Val Asn Pro Val Ile Lys Trp Leu Ser Glu Glu Gln Arg Tyr Gly
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Gly Gly Phe Tyr Ser Thr Gln Asp Thr Ile Asn Ala Ile Glu Gly
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Leu Asn Asp Asp Leu Ile Val Ser Thr Gly Phe Gly Ser Gly Leu
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Ala Thr Val His Val Thr Thr Val Val His Lys Thr Ser Thr Ser
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Glu Ala Ser His Tyr Arg Gly Tyr Gly Asn Ser Asp Tyr Lys Arg
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Ala Cys Lys Pro Glu Ile Ala Tyr Ala Tyr Lys Val Ser Ile Thr
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Leu Asp Ile Tyr Lys Thr Gly Glu Ala Val Ala Glu Lys Asp Ser
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Glu Ile Thr Phe Ile Lys Lys Val Thr Cys Thr Asn Ala Glu Leu
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Leu Thr  Trp Ile Glu Tyr Trp  Pro Arg Asp Thr Thr  Cys Ser Ser
    1625                 1630                 1635

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Lys Ala Phe Thr Glu Cys Cys Val Val Ala Ser Gln Leu Arg Ala Asn
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Ile Ser His Lys Asp Met Gln Leu Gly Arg Leu His Met Lys Thr Leu
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Leu Pro Val Ser Lys Pro Glu Ile Arg Ser Tyr Phe Pro Glu Ser Trp
                85                  90                  95

Leu Trp Glu Val His Leu Val Pro Arg Arg Lys Gln Leu Gln Phe Ala
            100                 105                 110

Leu Pro Asp Ser Leu Thr Thr Trp Glu Ile Gln Gly Ile Gly Ile Ser
        115                 120                 125

Asn Thr Gly Ile Cys Val Ala Asp Thr Val Lys Ala Lys Val Phe Lys
    130                 135                 140

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

Gln Lys Val Glu Gly Ser Ser Ser His Leu Val Thr Phe Thr Val Leu
    210                 215                 220

Pro Leu Glu Ile Gly Leu His Asn Ile Asn Phe Ser Leu Glu Thr Trp
225                 230                 235                 240

Phe Gly Lys Glu Ile Leu Val Lys Thr Leu Arg Val Val Pro Glu Gly
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Val Lys Arg Glu Ser Tyr Ser Gly Val Thr Leu Asp Pro Arg Gly Ile
            260                 265                 270

Tyr Gly Thr Ile Ser Arg Arg Lys Glu Phe Pro Tyr Arg Ile Pro Leu
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Asp Leu Val Pro Lys Thr Glu Ile Lys Arg Ile Leu Ser Val Lys Gly
    290                 295                 300

Leu Leu Val Gly Glu Ile Leu Ser Ala Val Leu Ser Gln Glu Gly Ile
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Asn Ile Leu Thr His Leu Pro Lys Gly Ser Ala Glu Ala Glu Leu Met
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Ser Val Val Pro Val Phe Tyr Val Phe His Tyr Leu Glu Thr Gly Asn
            340                 345                 350

His Trp Asn Ile Phe His Ser Asp Pro Leu Ile Glu Lys Gln Lys Leu
        355                 360                 365

Lys Lys Lys Leu Lys Glu Gly Met Leu Ser Ile Met Ser Tyr Arg Asn
    370                 375                 380

Ala Asp Tyr Ser Tyr Ser Val Trp Lys Gly Gly Ser Ala Ser Thr Trp
385                 390                 395                 400

Leu Thr Ala Phe Ala Leu Arg Val Leu Gly Gln Val Asn Lys Tyr Val
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Glu Gln Asn Gln Asn Ser Ile Cys Asn Ser Leu Leu Trp Leu Val Glu
            420                 425                 430
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Pro Ile Lys Leu Gln Gly Thr Leu Pro Val Glu Ala Arg Glu Asn Ser
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Leu Tyr Leu Thr Ala Phe Thr Val Ile Gly Ile Arg Lys Ala Phe Asp
465 470 475 480

Ile Cys Pro Leu Val Lys Ile Asp Thr Ala Leu Ile Lys Ala Asp Asn
485 490 495

Phe Leu Leu Glu Asn Thr Leu Pro Ala Gln Ser Thr Phe Thr Leu Ala
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Ile Ser Ala Tyr Ala Leu Ser Leu Gly Asp Lys Thr His Pro Gln Phe
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Arg Ser Ile Val Ser Ala Leu Lys Arg Glu Ala Leu Val Lys Gly Asn
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Pro Pro Ile Tyr Arg Phe Trp Lys Asp Asn Leu Gln His Lys Asp Ser
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580 585 590

Val Ile Lys Trp Leu Ser Glu Glu Gln Arg Tyr Gly Gly Gly Phe Tyr
595 600 605

Ser Thr Gln Asp Thr Ile Asn Ala Ile Glu Gly Leu Thr Glu Tyr Ser
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Thr Gly Phe Gly Ser Gly Leu Ala Thr Val His Val Thr Thr Val Val
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His Lys Thr Ser Thr Ser Glu Glu Val Cys Ser Phe Tyr Leu Lys Ile
690 695 700

Asp Thr Gln Asp Ile Glu Ala Ser His Tyr Arg Gly Tyr Gly Asn Ser
705 710 715 720

Asp Tyr Lys Arg Ile Val Ala Cys Ala Ser Tyr Lys Pro Ser Arg Glu
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Glu Ser Ser Ser Gly Ser Ser His Ala Val Met Asp Ile Ser Leu Pro
740 745 750

Thr Gly Ile Ser Ala Asn Glu Glu Asp Leu Lys Ala Leu Val Glu Gly
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Val Asp Gln Leu Phe Thr Asp Tyr Gln Ile Lys Asp Gly His Val Ile
770 775 780

Leu Gln Leu Asn Ser Ile Pro Ser Ser Asp Phe Leu Cys Val Arg Phe
785 790 795 800

Arg Ile Phe Glu Leu Phe Glu Val Gly Phe Leu Ser Pro Ala Thr Phe
805 810 815

Thr Val Tyr Glu Tyr His Arg Pro Asp Lys Gln Cys Thr Met Phe Tyr
820 825 830

Ser Thr Ser Asn Ile Lys Ile Gln Lys Val Cys Glu Gly Ala Ala Cys
835 840 845

Lys Cys Val Glu Ala Asp Cys Gly Gln Met Gln Glu Glu Leu Asp Leu
850 855 860

Thr Ile Ser Ala Glu Thr Arg Lys Gln Thr Ala Cys Lys Pro Glu Ile
865 870 875 880

Ala Tyr Ala Tyr Lys Val Ser Ile Thr Ser Ile Thr Val Glu Asn Val
885 890 895

Phe Val Lys Tyr Lys Ala Thr Leu Leu Asp Ile Tyr Lys Thr Gly Glu
900 905 910

Ala Val Ala Glu Lys Asp Ser Glu Ile Thr Phe Ile Lys Lys Val Thr
915 920 925

Cys Thr Asn Ala Glu Leu Val Lys Gly Arg Gln Tyr Leu Ile Met Gly
930 935 940

Lys Glu Ala Leu Gln Ile Lys Tyr Asn Phe Ser Phe Arg Tyr Ile Tyr
945 950 955 960

Pro Leu Asp Ser Leu Thr Trp Ile Glu Tyr Trp Pro Arg Asp Thr Thr
965 970 975

Cys Ser Ser Cys Gln Ala Phe Leu Ala Asn Leu Asp Glu Phe Ala Glu
980 985 990

Asp Ile Phe Leu Asn Gly Cys
995

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<211> 655
<212> PRT
<213> Homo sapiens

<400> 4

Gln Glu Gln Thr Tyr Val Ile Ser Ala Pro Lys Ile Phe Arg Val Gly
1 5 10 15

Ala Ser Glu Asn Ile Val Ile Gln Val Tyr Gly Tyr Thr Glu Ala Phe
20 25 30

Asp Ala Thr Ile Ser Ile Lys Ser Tyr Pro Asp Lys Lys Phe Ser Tyr
35 40 45

Ser Ser Gly His Val His Leu Ser Ser Glu Asn Lys Phe Gln Asn Ser
50 55 60

Ala Ile Leu Thr Ile Gln Pro Lys Gln Leu Pro Gly Gly Gln Asn Pro
65 70 75 80

Val Ser Tyr Val Tyr Leu Glu Val Val Ser Lys His Phe Ser Lys Ser
85 90 95

Lys Arg Met Pro Ile Thr Tyr Asp Asn Gly Phe Leu Phe Ile His Thr
100 105 110

Asp Lys Pro Val Tyr Thr Pro Asp Gln Ser Val Lys Val Arg Val Tyr
115 120 125

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

Phe Ile Asp Pro Glu Gly Ser Glu Val Asp Met Val Glu Glu Ile Asp
145 150 155 160

His Ile Gly Ile Ile Ser Phe Pro Asp Phe Lys Ile Pro Ser Asn Pro
165 170 175

Arg Tyr Gly Met Trp Thr Ile Lys Ala Lys Tyr Lys Glu Asp Phe Ser
180 185 190

Thr Thr Gly Thr Ala Tyr Phe Glu Val Lys Glu Tyr Val Leu Pro His
195 200 205

Phe Ser Val Ser Ile Glu Pro Glu Tyr Asn Phe Ile Gly Tyr Lys Asn
210 215 220

Phe Lys Asn Phe Glu Ile Thr Ile Lys Ala Arg Tyr Phe Tyr Asn Lys
225 230 235 240

Val Val Thr Glu Ala Asp Val Tyr Ile Thr Phe Gly Ile Arg Glu Asp
245 250 255

Leu Lys Asp Asp Gln Lys Glu Met Met Gln Thr Ala Met Gln Asn Thr
260 265 270

Met Leu Ile Asn Gly Ile Ala Gln Val Thr Phe Asp Ser Glu Thr Ala
275 280 285

Val Lys Glu Leu Ser Tyr Tyr Ser Leu Glu Asp Leu Asn Asn Lys Tyr
290 295 300

Leu Tyr Ile Ala Val Thr Val Ile Glu Ser Thr Gly Gly Phe Ser Glu
305 310 315 320

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

Asn Leu Val Ala Thr Pro Leu Phe Leu Lys Pro Gly Ile Pro Tyr Pro
340 345 350

Ile Lys Val Gln Val Lys Asp Ser Leu Asp Gln Leu Val Gly Gly Val
355 360 365

Pro Val Ile Leu Asn Ala Gln Thr Ile Asp Val Asn Gln Glu Thr Ser
370 375 380

Asp Leu Asp Pro Ser Lys Ser Val Thr Arg Val Asp Asp Gly Val Ala
385 390 395 400

Ser Phe Val Leu Asn Leu Pro Ser Gly Val Thr Val Leu Glu Phe Asn
405 410 415

Val Lys Thr Asp Ala Pro Asp Leu Pro Glu Glu Asn Gln Ala Arg Glu
420 425 430

Gly Tyr Arg Ala Ile Ala Tyr Ser Ser Leu Ser Gln Ser Tyr Leu Tyr
435 440 445

Ile Asp Trp Thr Asp Asn His Lys Ala Leu Leu Val Gly Glu His Leu
450 455 460

Asn Ile Ile Val Thr Pro Lys Ser Pro Tyr Ile Asp Lys Ile Thr His
465 470 475 480

Tyr Asn Tyr Leu Ile Leu Ser Lys Gly Lys Ile Ile His Phe Gly Thr
485 490 495

Arg Glu Lys Phe Ser Asp Ala Ser Tyr Gln Ser Ile Asn Ile Pro Val
500 505 510

Thr Gln Asn Met Val Pro Ser Ser Arg Leu Leu Val Tyr Tyr Ile Val
515 520 525

Thr Gly Glu Gln Thr Ala Glu Leu Val Ser Asp Ser Val Trp Leu Asn
530 535 540

Ile Glu Glu Lys Cys Gly Asn Gln Leu Gln Val His Leu Ser Pro Asp
545 550 555 560

Ala Asp Ala Tyr Ser Pro Gly Gln Thr Val Ser Leu Asn Met Ala Thr
565 570 575

Gly Met Asp Ser Trp Val Ala Leu Ala Ala Val Asp Ser Ala Val Tyr
580 585 590

Gly Val Gln Arg Gly Ala Lys Lys Pro Leu Glu Arg Val Phe Gln Phe
595 600 605

Leu Glu Lys Ser Asp Leu Gly Cys Gly Ala Gly Gly Gly Leu Asn Asn
610 615 620

Ala Asn Val Phe His Leu Ala Gly Leu Thr Phe Leu Thr Asn Ala Asn
625 630 635 640

Ala Asp Asp Ser Gln Glu Asn Asp Glu Pro Cys Lys Glu Ile Leu
645 650 655

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<211> 21
<212> PRT
<213> Homo sapiens

<400> 5

Val Ile Asp His Gln Gly Thr Lys Ser Ser Lys Cys Val Arg Gln Lys
1 5 10 15

Val Glu Gly Ser Ser
20

<210> 6
<211> 5
<212> PRT
<213> Homo sapiens

<400> 6

Lys Ser Ser Lys Cys
1 5

<210> 7
<211> 127
<212> PRT
<213> Homo sapiens

<400> 7

Asn Phe Ser Leu Glu Thr Trp Phe Gly Lys Glu Ile Leu Val Lys Thr
1 5 10 15

Leu Arg Val Val Pro Glu Gly Val Lys Arg Glu Ser Tyr Ser Gly Val
20 25 30

Thr Leu Asp Pro Arg Gly Ile Tyr Gly Thr Ile Ser Arg Arg Lys Glu
35 40 45

Phe Pro Tyr Arg Ile Pro Leu Asp Leu Val Pro Lys Thr Glu Ile Lys
50 55 60

Arg Ile Leu Ser Val Lys Gly Leu Leu Val Gly Glu Ile Leu Ser Ala
65 70 75 80

Val Leu Ser Gln Glu Gly Ile Asn Ile Leu Thr His Leu Pro Lys Gly
85 90 95

Ser Ala Glu Ala Glu Leu Met Ser Val Val Pro Val Phe Tyr Val Phe
100 105 110

His Tyr Leu Glu Thr Gly Asn His Trp Asn Ile Phe His Ser Asp
115 120 125

<210> 8
<211> 200
<212> PRT
<213> Homo sapiens

<400> 8

Ser Glu Ser Pro Val Ile Asp His Gln Gly Thr Lys Ser Ser Lys Cys
1 5 10 15

Val Arg Gln Lys Val Glu Gly Ser Ser Ser His Leu Val Thr Phe Thr
20 25 30

Val Leu Pro Leu Glu Ile Gly Leu His Asn Ile Asn Phe Ser Leu Glu
35 40 45

Thr Trp Phe Gly Lys Glu Ile Leu Val Lys Thr Leu Arg Val Val Pro
50 55 60

Glu Gly Val Lys Arg Glu Ser Tyr Ser Gly Val Thr Leu Asp Pro Arg
65 70 75 80

Gly Ile Tyr Gly Thr Ile Ser Arg Arg Lys Glu Phe Pro Tyr Arg Ile
85 90 95

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

Lys Gly Leu Leu Val Gly Glu Ile Leu Ser Ala Val Leu Ser Gln Glu
115 120 125

Gly Ile Asn Ile Leu Thr His Leu Pro Lys Gly Ser Ala Glu Ala Glu
130 135 140

Leu Met Ser Val Val Pro Val Phe Tyr Val Phe His Tyr Leu Glu Thr
145 150 155 160

Gly Asn His Trp Asn Ile Phe His Ser Asp Pro Leu Ile Glu Lys Gln
165 170 175

Lys Leu Lys Lys Lys Leu Lys Glu Gly Met Leu Ser Ile Met Ser Tyr
180 185 190

Arg Asn Ala Asp Tyr Ser Tyr Ser
195 200

<210> 9
<211> 30
<212> PRT
<213> Homo sapiens

<400> 9

Ser His Lys Asp Met Gln Leu Gly Arg Leu His Met Lys Thr Leu Leu
1 5 10 15

Pro Val Ser Lys Pro Glu Ile Arg Ser Tyr Phe Pro Glu Ser
20 25 30

<210> 10
<211> 325
<212> PRT
<213> Homo sapiens

<400> 10

Ser His Lys Asp Met Gln Leu Gly Arg Leu His Met Lys Thr Leu Leu
1 5 10 15

Pro Val Ser Lys Pro Glu Ile Arg Ser Tyr Phe Pro Glu Ser Trp Leu
20 25 30

Trp Glu Val His Leu Val Pro Arg Arg Lys Gln Leu Gln Phe Ala Leu
35 40 45

Pro Asp Ser Leu Thr Thr Trp Glu Ile Gln Gly Ile Gly Ile Ser Asn
50 55 60

Thr Gly Ile Cys Val Ala Asp Thr Val Lys Ala Lys Val Phe Lys Asp
65 70 75 80

Val Phe Leu Glu Met Asn Ile Pro Tyr Ser Val Val Arg Gly Glu Gln
85 90 95

Ile Gln Leu Lys Gly Thr Val Tyr Asn Tyr Arg Thr Ser Gly Met Gln
100 105 110

Phe Cys Val Lys Met Ser Ala Val Glu Gly Ile Cys Thr Ser Glu Ser
115 120 125

Pro Val Ile Asp His Gln Gly Thr Lys Ser Ser Lys Cys Val Arg Gln
130 135 140

Lys Val Glu Gly Ser Ser Ser His Leu Val Thr Phe Thr Val Leu Pro
145 150 155 160

Leu Glu Ile Gly Leu His Asn Ile Asn Phe Ser Leu Glu Thr Trp Phe
165 170 175

Gly Lys Glu Ile Leu Val Lys Thr Leu Arg Val Val Pro Glu Gly Val
180 185 190

Lys Arg Glu Ser Tyr Ser Gly Val Thr Leu Asp Pro Arg Gly Ile Tyr
195 200 205

Gly Thr Ile Ser Arg Arg Lys Glu Phe Pro Tyr Arg Ile Pro Leu Asp
210 215 220

Leu Val Pro Lys Thr Glu Ile Lys Arg Ile Leu Ser Val Lys Gly Leu
225 230 235 240

Leu Val Gly Glu Ile Leu Ser Ala Val Leu Ser Gln Glu Gly Ile Asn
245 250 255

Ile Leu Thr His Leu Pro Lys Gly Ser Ala Glu Ala Glu Leu Met Ser
260 265 270

Val Val Pro Val Phe Tyr Val Phe His Tyr Leu Glu Thr Gly Asn His
275 280 285

Trp Asn Ile Phe His Ser Asp Pro Leu Ile Glu Lys Gln Lys Leu Lys
290 295 300

Lys Lys Leu Lys Glu Gly Met Leu Ser Ile Met Ser Tyr Arg Asn Ala
305 310 315 320

Asp Tyr Ser Tyr Ser
325

<210> 11
<211> 17
<212> PRT
<213> Homo sapiens

<400> 11

Asp His Gln Gly Thr Lys Ser Ser Lys Cys Val Arg Gln Lys Val Glu
1 5 10 15

Gly

<210> 12
<211> 74
<212> PRT
<213> Homo sapiens

<400> 12

Thr Leu Gln Lys Lys Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser
1 5 10 15

Val Val Lys Lys Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu
20 25 30

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

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

Ile Ser His Lys Asp Met Gln Leu Gly Arg
65 70

<210> 13
<211> 20
<212> PRT
<213> Homo sapiens

<400> 13

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala Arg
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<210> 14
<211> 18
<212> PRT
<213> Homo sapiens

<400> 14

Lys Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu
1 5 10 15

Gln Arg

<210> 15
<211> 10
<212> PRT
<213> Homo sapiens

<400> 15

Val Asn Asn Asp Glu Thr Cys Glu Gln Arg
1 5 10

<210> 16
<211> 6
<212> PRT
<213> Homo sapiens

<400> 16

Val Asn Asn Asp Glu Thr
1 5

<210> 17
<211> 9
<212> PRT
<213> Homo sapiens

<400> 17

Ala Ala Arg Ile Ser Leu Gly Pro Arg
1 5

<210> 18
<211> 19
<212> PRT
<213> Homo sapiens

<400> 18

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala Ala

<210> 19
<211> 18
<212> PRT
<213> Homo sapiens

<400> 19

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg Ala

<210> 20
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<212> PRT
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<400> 20

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

Arg

<210> 21
<211> 16
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<213> Homo sapiens

<400> 21

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln
1 5 10 15

<210> 22
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<212> PRT
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<400> 22

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu
1 5 10 15

<210> 23
<211> 19
<212> PRT
<213> Homo sapiens

<400> 23

Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln Arg
1 5 10 15

Ala Ala Arg

<210> 24
<211> 18
<212> PRT
<213> Homo sapiens

<400> 24

Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln Arg Ala
1 5 10 15

Ala Arg

<210> 25
<211> 19
<212> PRT
<213> Homo sapiens

<400> 25

Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln Arg
1 5 10 15

Ala Ala Arg

<210> 26
<211> 925
<212> PRT
<213> Homo sapiens

<400> 26

Leu His Met Lys Thr Leu Leu Pro Val Ser Lys Pro Glu Ile Arg Ser
1 5 10 15

Tyr Phe Pro Glu Ser Trp Leu Trp Glu Val His Leu Val Pro Arg Arg
20 25 30

Lys Gln Leu Gln Phe Ala Leu Pro Asp Ser Leu Thr Thr Trp Glu Ile
35 40 45

Gln Gly Ile Gly Ile Ser Asn Thr Gly Ile Cys Val Ala Asp Thr Val
50 55 60

Lys Ala Lys Val Phe Lys Asp Val Phe Leu Glu Met Asn Ile Pro Tyr
65 70 75 80

Ser Val Val Arg Gly Glu Gln Ile Gln Leu Lys Gly Thr Val Tyr Asn
85 90 95

Tyr Arg Thr Ser Gly Met Gln Phe Cys Val Lys Met Ser Ala Val Glu
100 105 110

Gly Ile Cys Thr Ser Glu Ser Pro Val Ile Asp His Gln Gly Thr Lys
115 120 125

Ser Ser Lys Cys Val Arg Gln Lys Val Glu Gly Ser Ser Ser His Leu
130 135 140

Val Thr Phe Thr Val Leu Pro Leu Glu Ile Gly Leu His Asn Ile Asn
145 150 155 160

Phe Ser Leu Glu Thr Trp Phe Gly Lys Glu Ile Leu Val Lys Thr Leu
165 170 175

Arg Val Val Pro Glu Gly Val Lys Arg Glu Ser Tyr Ser Gly Val Thr
180 185 190

Leu Asp Pro Arg Gly Ile Tyr Gly Thr Ile Ser Arg Arg Lys Glu Phe
195 200 205

Pro Tyr Arg Ile Pro Leu Asp Leu Val Pro Lys Thr Glu Ile Lys Arg
210 215 220

Ile Leu Ser Val Lys Gly Leu Leu Val Gly Glu Ile Leu Ser Ala Val
225 230 235 240

Leu Ser Gln Glu Gly Ile Asn Ile Leu Thr His Leu Pro Lys Gly Ser
245 250 255

Ala Glu Ala Glu Leu Met Ser Val Val Pro Val Phe Tyr Val Phe His
260 265 270

Tyr Leu Glu Thr Gly Asn His Trp Asn Ile Phe His Ser Asp Pro Leu
275 280 285

Ile Glu Lys Gln Lys Leu Lys Lys Lys Leu Lys Glu Gly Met Leu Ser
290 295 300

Ile Met Ser Tyr Arg Asn Ala Asp Tyr Ser Tyr Ser Val Trp Lys Gly
305 310 315 320

Gly Ser Ala Ser Thr Trp Leu Thr Ala Phe Ala Leu Arg Val Leu Gly
325 330 335

Gln Val Asn Lys Tyr Val Glu Gln Asn Gln Asn Ser Ile Cys Asn Ser
340 345 350

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

Glu Asn Ser Gln Tyr Gln Pro Ile Lys Leu Gln Gly Thr Leu Pro Val
370 375 380

Glu Ala Arg Glu Asn Ser Leu Tyr Leu Thr Ala Phe Thr Val Ile Gly
385 390 395 400

Ile Arg Lys Ala Phe Asp Ile Cys Pro Leu Val Lys Ile Asp Thr Ala
405 410 415

Leu Ile Lys Ala Asp Asn Phe Leu Leu Glu Asn Thr Leu Pro Ala Gln
420 425 430

Ser Thr Phe Thr Leu Ala Ile Ser Ala Tyr Ala Leu Ser Leu Gly Asp
435 440 445

Lys Thr His Pro Gln Phe Arg Ser Ile Val Ser Ala Leu Lys Arg Glu
450 455 460

Ala Leu Val Lys Gly Asn Pro Pro Ile Tyr Arg Phe Trp Lys Asp Asn
465 470 475 480

Leu Gln His Lys Asp Ser Ser Val Pro Asn Thr Gly Thr Ala Arg Met
485 490 495

Val Glu Thr Thr Ala Tyr Ala Leu Leu Thr Ser Leu Asn Leu Lys Asp
500 505 510

Ile Asn Tyr Val Asn Pro Val Ile Lys Trp Leu Ser Glu Glu Gln Arg
515 520 525

Tyr Gly Gly Gly Phe Tyr Ser Thr Gln Asp Thr Ile Asn Ala Ile Glu
530 535 540

Gly Leu Thr Glu Tyr Ser Leu Leu Val Lys Gln Leu Arg Leu Ser Met
545 550 555 560

Asp Ile Asp Val Ser Tyr Lys His Lys Gly Ala Leu His Asn Tyr Lys
565 570 575

Met Thr Asp Lys Asn Phe Leu Gly Arg Pro Val Glu Val Leu Leu Asn
580 585 590

Asp Asp Leu Ile Val Ser Thr Gly Phe Gly Ser Gly Leu Ala Thr Val
595 600 605

His Val Thr Thr Val Val His Lys Thr Ser Thr Ser Glu Glu Val Cys
610 615 620

Ser Phe Tyr Leu Lys Ile Asp Thr Gln Asp Ile Glu Ala Ser His Tyr
625 630 635 640

Arg Gly Tyr Gly Asn Ser Asp Tyr Lys Arg Ile Val Ala Cys Ala Ser
645 650 655

Tyr Lys Pro Ser Arg Glu Glu Ser Ser Ser Gly Ser Ser His Ala Val
660 665 670

Met Asp Ile Ser Leu Pro Thr Gly Ile Ser Ala Asn Glu Glu Asp Leu
675 680 685

Lys Ala Leu Val Glu Gly Val Asp Gln Leu Phe Thr Asp Tyr Gln Ile
690 695 700

Lys Asp Gly His Val Ile Leu Gln Leu Asn Ser Ile Pro Ser Ser Asp
705 710 715 720

Phe Leu Cys Val Arg Phe Arg Ile Phe Glu Leu Phe Glu Val Gly Phe
725 730 735

Leu Ser Pro Ala Thr Phe Thr Val Tyr Glu Tyr His Arg Pro Asp Lys
740 745 750

Gln Cys Thr Met Phe Tyr Ser Thr Ser Asn Ile Lys Ile Gln Lys Val
755 760 765

Cys Glu Gly Ala Ala Cys Lys Cys Val Glu Ala Asp Cys Gly Gln Met
770 775 780

Gln Glu Glu Leu Asp Leu Thr Ile Ser Ala Glu Thr Arg Lys Gln Thr
785 790 795 800

Ala Cys Lys Pro Glu Ile Ala Tyr Ala Tyr Lys Val Ser Ile Thr Ser
805 810 815

Ile Thr Val Glu Asn Val Phe Val Lys Tyr Lys Ala Thr Leu Leu Asp
820 825 830

Ile Tyr Lys Thr Gly Glu Ala Val Ala Glu Lys Asp Ser Glu Ile Thr
835 840 845

Phe Ile Lys Lys Val Thr Cys Thr Asn Ala Glu Leu Val Lys Gly Arg
850 855 860

Gln Tyr Leu Ile Met Gly Lys Glu Ala Leu Gln Ile Lys Tyr Asn Phe
865 870 875 880

Ser Phe Arg Tyr Ile Tyr Pro Leu Asp Ser Leu Thr Trp Ile Glu Tyr
885 890 895

Trp Pro Arg Asp Thr Thr Cys Ser Ser Cys Gln Ala Phe Leu Ala Asn
900 905 910

Leu Asp Glu Phe Ala Glu Asp Ile Phe Leu Asn Gly Cys
915 920 925

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