

53677A_SeqProt_WO_05_08prj.ST25_28_08_08.txt
SEQUENCE LISTING

<110> Bayer Schering Pharma Aktiengesellschaft
<120> Method for determining bioactivity of molecules
<130> 53677AWO
<150> EP 07021240.2
<151> 2007-10-31
<160> 12
<170> PatentIn version 3.3
<210> 1
<211> 133
<212> PRT
<213> Homo sapiens
<400> 1

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

Leu Leu Leu Asp Leu Gln Met Ile Leu Asn Gly Ile Asn Asn Tyr Lys
20          25          30

Asn Pro Lys Leu Thr Arg Met Leu Thr Phe Lys Phe Tyr Met Pro Lys
35          40          45

Lys Ala Thr Glu Leu Lys His Leu Gln Cys Leu Glu Glu Glu Leu Lys
50          55          60

Pro Leu Glu Glu Val Leu Asn Leu Ala Gln Ser Lys Asn Phe His Leu
65          70          75          80

Arg Pro Arg Asp Leu Ile Ser Asn Ile Asn Val Ile Val Leu Glu Leu
85          90          95

Lys Gly Ser Glu Thr Thr Phe Met Cys Glu Tyr Ala Asp Glu Thr Ala
100         105         110

Thr Ile Val Glu Phe Leu Asn Arg Trp Ile Thr Phe Cys Gln Ser Ile
115         120         125

Ile Ser Thr Leu Thr
130

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<210> 2
<211> 157
<212> PRT
<213> Homo sapiens
<400> 2

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Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
1          5          10          15

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Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
20 25 30

Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
35 40 45

Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
50 55 60

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

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

Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
100 105 110

Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
115 120 125

Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
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Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
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<210> 3
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<213> Artificial Sequence

<220>
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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
20 25 30

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

Ser Ser Ile Ser Gly Ser Ser Gly Thr 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
seite 2

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

Thr Val Ser Ser
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<210> 4
<211> 108
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<213> Artificial Sequence

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<223> v1 L19

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

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

Ile Tyr Tyr Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
50 55 60

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

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

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

<210> 5
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Arg Ala Ser Gln Ser Val Ser Ser Ser Phe Leu Ala
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<223> L-CDR2 L19

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Tyr Ala Ser Ser Arg Ala Thr
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<210> 7

<211> 9

<212> PRT

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<223> L-CDR3 L19

<400> 7

Gln Gln Thr Gly Arg Ile Pro Pro Thr
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<210> 8

<211> 5

<212> PRT

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<223> H-CDR1 L19

<400> 8

Ser Phe Ser Met Ser
1 5

<210> 9

<211> 17

<212> PRT

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<223> H-CDR2 L19

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Ser Ile Ser Gly Ser Ser Gly Thr Thr Tyr Tyr Ala Asp Ser Val Lys
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Gly

<210> 10

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<212> PRT

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<223> H-CDR3 L19

<400> 10

Pro Phe Pro Tyr Phe Asp Tyr
1 5

<210> 11
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<220>
 <223> Fusion linker (e.g. fusion protein L19-IL2)

<400> 11

Glu Phe Ser Ser Ser Gly Ser Ser Ser Gly Ser Ser Ser Ser
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Gly

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

<220>
 <223> Linker Vh and Vl of L19

<400> 12

Gly Asp Gly Ser Ser Gly Gly Ser Gly Gly Ala Ser
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