

Seq listing-EN
SEQUENCE LISTING

<110> SHANGHAI QINGLIU BIO-PHARM TECHNOLOGY CO., LTD.

<120> NOVEL NATURAL PROTEIN AND APPLICATION THEREOF

<130> 2016

<160> 17

<170> PatentIn version 3.3

<210> 1

<211> 89

<212> PRT

<213> artificial sequence

<400> 1

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

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 2

<211> 31

<212> PRT

<213> artificial sequence

Seq listing-EN

<400> 2

Thr Val Leu Leu Met Ile Leu Val Cys Glu Thr Pro Tyr Gly Cys Tyr
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Val Leu His Gln Lys Gly Arg Met Cys Ser Ala Phe Leu Cys Cys
20 25 30

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<211> 58

<212> PRT

<213> artificial sequence

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Met Ser Glu Lys Lys Gln Pro Val Asp Leu Gly Leu Leu Glu Glu Asp
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Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
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Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala
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<210> 4

<211> 70

<212> PRT

<213> artificial sequence

<400> 4

Met Ser Glu Lys Lys Gln Pro Val Asp Leu Gly Leu Leu Glu Glu Asp
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Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Seq listing-EN

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
 35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Glu Leu Glu Lys His Gly
 50 55 60

Tyr Lys Met Glu Thr Ser
 65 70

<210> 5
 <211> 89
 <212> PRT
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Met Ser Glu Lys Lys Gln Pro Val Asp Leu Gly Leu Leu Glu Glu Asp
 1 5 10 15

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
 20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
 35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
 50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 6
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Seq listing-EN

<400> 6

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

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 7

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<212> PRT

<213> artificial sequence

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

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Val Thr Val Leu Leu Met Ile
50 55 60

Seq listing-EN

Leu Val Cys Glu Thr Leu Tyr Gly Cys Tyr Val Leu His Gln Lys Gly
65 70 75 80

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 8
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<212> PRT
<213> artificial sequence

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

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Ile Leu Leu Met Ile
50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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Met Ser Glu Lys Lys Gln Pro Val Asp Leu Gly Leu Leu Glu Glu Asp

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1 5 10 15
 Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
 20 25 30
 Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
 35 40 45
 Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Val
 50 55 60
 Leu Val Cys Glu Thr Pro Tyr Gly Cys Tyr Val Leu His Gln Lys Glu
 65 70 75 80
 Arg Met Cys Ser Ala Phe Leu Cys Cys
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 1 5 10 15
 Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
 20 25 30
 Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
 35 40 45
 Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
 50 55 60
 Lys Val Tyr Glu Thr Pro Tyr Gly Cys Tyr Ile Leu His Gln Lys Gly
 65 70 75 80

Seq listing-EN

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 11
<211> 89
<212> PRT
<213> artificial sequence

<400> 11

Met Ser Glu Lys Lys Gln Pro Val Asp Leu Gly Leu Leu Glu Glu Asp
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Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 12
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<212> PRT
<213> artificial sequence

<400> 12

Met Ser Glu Lys Lys Gln Pro Val Asp Leu Gly Leu Leu Glu Glu Asp
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Seq listing-EN

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 13
<211> 89
<212> PRT
<213> artificial sequence

<400> 13

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

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

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

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

Arg Met Cys Ser Ala Phe Leu Cys Cys

Seq listing-EN

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<210> 14
 <211> 89
 <212> PRT
 <213> artificial sequence

 <400> 14

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

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
 20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
 35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
 50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 15
 <211> 89
 <212> PRT
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Met Ser Glu Lys Lys Gln Pro Val Asp Leu Gly Leu Leu Glu Glu Asp
 1 5 10 15

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
 20 25 30

Seq listing-EN

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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<210> 16

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

Asp Glu Phe Glu Glu Phe Pro Ala Glu Asp Trp Ala Gly Leu Asp Glu
20 25 30

Asp Glu Asp Ala His Val Trp Glu Asp Asn Trp Asp Asp Asp Asn Val
35 40 45

Glu Asp Asp Phe Ser Asn Gln Leu Arg Ala Thr Val Leu Leu Met Ile
50 55 60

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

Arg Met Cys Ser Ala Phe Leu Cys Cys
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Seq listing-EN

<210> 17

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<212> DNA

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gacttcagca accagctgcg cgccaccgtg ctgctgatga tcctggtgtg cgagaccccc 300

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