<110> HANMI PHARM. CO., LTD.

<120> Recombinant yeast transformant and process for preparing immunoglobulin Fc fragment employing the same

<130> OPA13188/PCT

<160> 11

<170> KopatentIn 2.0

<210> 1
<211> 690
<212> DNA
<213> IgG Fc fragment

<400> 1
gagtccaaat atggtccccc atgcccatca tgcccagcac ctgagttcct gggggggacca 60

tcagtcttcc tgttcccccc aaaacccaag gacaccctca tgatctcccg gacccctgag 120

gtcacatgcg tggtggtgga cgtgagccag gaagaccctg aggtccagtt caactggtac 180

gtggacggcg tggaggtgca taatgccaag acaaagccgc gggaggagca gttcaacagc 240

acgtaccgtg tggtcagcgt cctcaccgtc ctgcaccagg actggctgaa tggcaaggag 300

tacaagtgca aggtctccaa caaaggcctc ccatcctcca tcgagaaaac catctccaaa 360

gccaaagggc agccccgaga accacaggtg tacaccctgc ccccatccca ggaggagatg 420

accaagaacc aggtcagcct gacctgcctg gtcaaaggct tctatcccag cgacatcgcc 480

gtggagtggg agagcaatgg gcagccggag aacaactaca agaccacgcc tcccgtgctg 540

gactccgacg gctccttctt cctctacagc aggctaaccg tggacaagag caggtggcag 600

gaggggaacg tcttctcatg ctccgtgatg catgaggctc tgcacaacca ctacacgcag 660

aagagcctct ccctgtctct gggtaaatga 690

<210> 2
<211> 666
<212> DNA
<213> IgG Fc fragment

<400> 2
ccatcatgcc cagcacctga gttcctgggg ggaccatcag tcttcctgtt ccccccaaaa 60

cccaaggaca ccctcatgat ctcccggacc cctgaggtca catgcgtggt ggtggacgtg 120

agccaggaag accctgaggt ccagttcaac tggtacgtgg acggcgtgga ggtgcataat 180

gccaagacaa agccgcggga ggagcagttc aacagcacgt accgtgtggt cagcgtcctc 240

accgtcctgc accaggactg gctgaatggc aaggagtaca agtgcaaggt ctccaacaaa 300

ggcctcccat cctccatcga gaaaaccatc tccaaagcca aagggcagcc ccgagaacca 360

caggtgtaca ccctgccccc atcccaggag gagatgacca agaaccaggt cagcctgacc 420

tgcctggtca aaggcttcta tcccagcgac atcgccgtgg agtgggagag caatgggcag 480

ccggagaaca actacaagac cacgcctccc gtgctggact ccgacggctc cttcttcctc 540

tacagcaggc taaccgtgga caagagcagg tggcaggagg ggaacgtctt ctcatgctcc 600

gtgatgcatg aggctctgca caaccactac acgcagaaga gcctctccct gtctctgggt 660

aaatga 666

<210> 3
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 3
gcttacgtag agtccaaata tggtccccca tgcc 34

<210> 4
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 4
ccggaattct catttaccca gagacaggga gagg 34

<210> 5
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 5
gcttacgtac catcatgccc agcacctgag ttcc 34

<210> 6
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 6
gagaaaagag aggctgaagc tgagtccaaa tatggtcccc ca 42

<210> 7
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 7
tgggggacca tatttggact cagcttcagc ctctcttttc tc 42

<210> 8
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 8
tctctcgaga aaagagaggc tgaagctcca tcatgcccag cacctgagtt cctg 54

<210> 9
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 9
caggaactca ggtgctgggc atgatggagc ttcagcctct cttttctcga gaga 54

<210> 10
<211> 229
<212> PRT
<213> IgG Fc fragment

<400> 10
Glu Ser Lys Tyr Gly Pro Pro Cys Pro Ser Cys Pro Ala Pro Glu Phe
1 5 10 15

Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
20 25 30

Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
35 40 45

Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val
50 55 60

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

Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
85 90 95

Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser
100 105 110

Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
115 120 125

Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln
130 135 140

Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
145 150 155 160

Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
165 170 175

Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu

180 185 190

Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser
195 200 205

Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
210 215 220

Leu Ser Leu Gly Lys
225

<210> 11
<211> 221
<212> PRT
<213> IgG Fc fragment

<400> 11
Pro Ser Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser Val Phe Leu
1 5 10 15

Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
20 25 30

Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Glu Val Gln
35 40 45

Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
50 55 60

Pro Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val Leu
65 70 75 80

Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys
85 90 95

Val Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys
100 105 110

Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
115 120 125

Gln Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
130 135 140

Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
145 150 155 160

Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
165 170 175

Ser Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg Trp Gln
180 185 190

Glu Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
195 200 205

His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Leu Gly Lys
210 215 220