SEQUENCE LISTING

<160> NUMBER OF SEQ ID NOS: 7

<210> SEQ ID NO 1
<211> LENGTH: 233
<212> TYPE: PRT
<213> ORGANISM: Mus musculus

<400> SEQUENCE: 1

```
Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
  1               5                  10                  15

Val His Ser Asp Ile Val Met Thr Gln Ser Gln Lys Phe Met Ser Thr
            20                  25                  30

Ser Val Gly Asp Arg Val Ser Val Thr Cys Lys Ala Ser Gln Asn Val
        35                  40                  45

Asp Thr Asp Val Ala Trp Phe Gln Gln Lys Pro Gly Gln Ser Pro Arg
    50                  55                  60

Gly Leu Ile Tyr Ser Ala Ser Ser Arg Tyr Ser Gly Val Pro Asp Arg
65                  70                  75                  80

Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn
                85                  90                  95

Val Gln Ser Glu Asp Leu Ala Glu Tyr Phe Cys Gln Gln Tyr Asn Asn
            100                 105                 110

Tyr Pro Leu Thr Phe Gly Ser Gly Thr Lys Val Glu Ile Lys Arg Thr
        115                 120                 125

Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu
    130                 135                 140

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

Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
                165                 170                 175

Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr
            180                 185                 190

Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His
        195                 200                 205

Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val
    210                 215                 220

Thr Lys Ser Phe Asn Arg Gly Glu Cys
225                 230
```

<210> SEQ ID NO 2
<211> LENGTH: 464
<212> TYPE: PRT
<213> ORGANISM: Mus musculus

<400> SEQUENCE: 2

```
Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
  1               5                  10                  15

Ala Tyr Ala Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Lys
            20                  25                  30

Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe
        35                  40                  45

Thr Ser Tyr Tyr Met Tyr Trp Val Lys Glu Arg Pro Gly Gln Gly Leu
    50                  55                  60

Glu Trp Ile Gly Glu Ile Asn Pro Thr Asn Gly Gly Thr Asn Phe Asn
65                  70                  75                  80
```

```
Glu Lys Phe Lys Ser Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Asn
                  85                  90                  95

Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val
             100                 105                 110

Tyr Tyr Cys Ala Arg Glu Gly Gly Phe Ala Tyr Trp Gly Gln Gly Thr
         115                 120                 125

Leu Val Thr Val Ser Ala Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
     130                 135                 140

Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
145                 150                 155                 160

Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
                 165                 170                 175

Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
             180                 185                 190

Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
         195                 200                 205

Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
     210                 215                 220

Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr
225                 230                 235                 240

His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
                 245                 250                 255

Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
             260                 265                 270

Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
         275                 280                 285

Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
     290                 295                 300

Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val
305                 310                 315                 320

Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
                 325                 330                 335

Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
             340                 345                 350

Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
         355                 360                 365

Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys
     370                 375                 380

Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
385                 390                 395                 400

Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
                 405                 410                 415

Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
             420                 425                 430

Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
         435                 440                 445

Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
     450                 455                 460
```

<210> SEQ ID NO 3
<211> LENGTH: 259
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 3

```
Met His Ser Ser Val Tyr Phe Val Ala Leu Val Ile Leu Gly Ala Ala
  1               5                  10                  15

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

Ala Ala His Ala Arg Pro Tyr Met Ala Ser Val Gln Val Asn Gly Thr
         35                  40                  45

His Val Cys Gly Gly Thr Leu Leu Asp Glu Gln Trp Val Leu Ser Ala
     50                  55                  60

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

Leu Gly Ala His Ser Leu Ser Ala Pro Glu Pro Tyr Lys Arg Trp Tyr
                 85                  90                  95

Asp Val Gln Ser Val Val Pro His Pro Gly Ser Arg Pro Asp Ser Leu
            100                 105                 110

Glu Asp Asp Leu Ile Leu Phe Lys Leu Ser Gln Asn Ala Ser Leu Gly
        115                 120                 125

Pro His Val Arg Pro Leu Pro Leu Gln Tyr Glu Asp Lys Glu Val Glu
    130                 135                 140

Pro Gly Thr Leu Cys Asp Val Ala Gly Trp Gly Val Val Thr His Ala
145                 150                 155                 160

Gly Arg Arg Pro Asp Val Leu His Gln Leu Arg Val Ser Ile Met Asn
                165                 170                 175

Arg Thr Thr Cys Asn Leu Arg Thr Tyr His Asp Gly Val Val Thr Ile
            180                 185                 190

Asn Met Met Cys Ala Glu Ser Asn Arg Arg Asp Thr Cys Arg Gly Asp
        195                 200                 205

Ser Gly Ser Pro Leu Val Cys Gly Asp Ala Val Glu Gly Val Val Thr
    210                 215                 220

Trp Gly Ser Arg Val Cys Gly Asn Gly Lys Lys Pro Gly Val Tyr Thr
225                 230                 235                 240

Arg Val Ser Ser Tyr Arg Met Trp Ile Glu Asn Ile Thr Asn Gly Asn
                245                 250                 255

Met Thr Ser
```

<210> SEQ ID NO 4
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer

<400> SEQUENCE: 4

gatcgatatc gtratgachc artctca 27

<210> SEQ ID NO 5
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer

<400> SEQUENCE: 5

tttdakytcc agcttggtac c 21

<210> SEQ ID NO 6
<211> LENGTH: 35
<212> TYPE: DNA

<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer

<400> SEQUENCE: 6

gatccgtacg ctcaggtyca rytgcarcar tctgg 35

<210> SEQ ID NO 7
<211> LENGTH: 43
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer

<400> SEQUENCE: 7

acagtgggcc cttggtggag gctgmrgaga cdgtgashrd rgt 43