SEQUENCE LISTING

<110> NANYANG TECHNOLOGICAL UNIVERSITY
TAN, , Nguan-Soon
CHONG, Han-Chung
TAN, Ming-Jie
HUANG, Royston

<120> ANTIPROLIFERATIVE AGENT

<130> AY/YF/ak/2010.5268

<150> US61/251485
<151> 2009-10-14

<160> 7

<170> PatentIn version 3.5

<210> 1
<211> 406
<212> PRT
<213> Homo sapiens

<400> 1

Met Ser Gly Ala Pro Thr Ala Gly Ala Ala Leu Met Leu Cys Ala Ala
1 5 10 15

Thr Ala Val Leu Leu Ser Ala Gln Gly Gly Pro Val Gln Ser Lys Ser
20 25 30

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

Leu Gln Leu Gly Gln Gly Leu Arg Glu His Ala Glu Arg Thr Arg Ser
50 55 60

Gln Leu Ser Ala Leu Glu Arg Arg Leu Ser Ala Cys Gly Ser Ala Cys
65 70 75 80

Gln Gly Thr Glu Gly Ser Thr Asp Leu Pro Leu Ala Pro Glu Ser Arg
85 90 95

Val Asp Pro Glu Val Leu His Ser Leu Gln Thr Gln Leu Lys Ala Gln
100 105 110

Asn Ser Arg Ile Gln Gln Leu Phe His Lys Val Ala Gln Gln Gln Arg
115 120 125

His Leu Glu Lys Gln His Leu Arg Ile Gln His Leu Gln Ser Gln Phe
130 135 140

Gly Leu Leu Asp His Lys His Leu Asp His Glu Val Ala Lys Pro Ala
145 150 155 160

Arg Arg Lys Arg Leu Pro Glu Met Ala Gln Pro Val Asp Pro Ala His
165 170 175

```
Asn Val Ser Arg Leu His Arg Leu Pro Arg Asp Cys Gln Glu Leu Phe
            180                 185                 190

Gln Val Gly Glu Arg Gln Ser Gly Leu Phe Glu Ile Gln Pro Gln Gly
        195                 200                 205

Ser Pro Pro Phe Leu Val Asn Cys Lys Met Thr Ser Asp Gly Gly Trp
    210                 215                 220

Thr Val Ile Gln Arg Arg His Asp Gly Ser Val Asp Phe Asn Arg Pro
225                 230                 235                 240

Trp Glu Ala Tyr Lys Ala Gly Phe Gly Asp Pro His Gly Glu Phe Trp
                245                 250                 255

Leu Gly Leu Glu Lys Val His Ser Ile Thr Gly Asp Arg Asn Ser Arg
            260                 265                 270

Leu Ala Val Gln Leu Arg Asp Trp Asp Gly Asn Ala Glu Leu Leu Gln
        275                 280                 285

Phe Ser Val His Leu Gly Gly Glu Asp Thr Ala Tyr Ser Leu Gln Leu
    290                 295                 300

Thr Ala Pro Val Ala Gly Gln Leu Gly Ala Thr Thr Val Pro Pro Ser
305                 310                 315                 320

Gly Leu Ser Val Pro Phe Ser Thr Trp Asp Gln Asp His Asp Leu Arg
                325                 330                 335

Arg Asp Lys Asn Cys Ala Lys Ser Leu Ser Gly Gly Trp Trp Phe Gly
            340                 345                 350

Thr Cys Ser His Ser Asn Leu Asn Gly Gln Tyr Phe Arg Ser Ile Pro
        355                 360                 365

Gln Gln Arg Gln Lys Leu Lys Lys Gly Ile Phe Trp Lys Thr Trp Arg
    370                 375                 380

Gly Arg Tyr Tyr Pro Leu Gln Ala Thr Thr Met Leu Ile Gln Pro Met
385                 390                 395                 400

Ala Ala Glu Ala Ala Ser
                405
```

<210> 2
<211> 221
<212> PRT
<213> Homo sapiens

<400> 2

```
Arg Asp Cys Gln Glu Leu Phe Gln Val Gly Glu Arg Gln Ser Gly Leu
1               5                  10                  15

Phe Glu Ile Gln Pro Gln Gly Ser Pro Pro Phe Leu Val Asn Cys Lys
            20                  25                  30

Met Thr Ser Asp Gly Gly Trp Thr Val Ile Gln Arg Arg His Asp Gly
        35                  40                  45

Ser Val Asp Phe Asn Arg Pro Trp Glu Ala Tyr Lys Ala Gly Phe Gly
    50                  55                  60

Asp Pro His Gly Glu Phe Trp Leu Gly Leu Glu Lys Val His Ser Ile
65                  70                  75                  80

Thr Gly Asp Arg Asn Ser Arg Leu Ala Val Gln Leu Arg Asp Trp Asp
                85                  90                  95

Gly Asn Ala Glu Leu Leu Gln Phe Ser Val His Leu Gly Gly Glu Asp
            100                 105                 110

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

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

Asp Gln Asp His Asp Leu Arg Arg Asp Lys Asn Cys Ala Lys Ser Leu
145                 150                 155                 160

Ser Gly Gly Trp Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly
                165                 170                 175

Gln Tyr Phe Arg Ser Ile Pro Gln Gln Arg Gln Lys Leu Lys Lys Gly
            180                 185                 190

Ile Phe Trp Lys Thr Trp Arg Gly Arg Tyr Tyr Pro Leu Gln Ala Thr
        195                 200                 205

Thr Met Leu Ile Gln Pro Met Ala Ala Glu Ala Ala Ser
    210                 215                 220
```

<210> 3
<211> 221
<212> PRT
<213> Mus musculus

<400> 3

```
Arg Asp Cys Gln Glu Leu Phe Gln Glu Gly Glu Arg His Ser Gly Leu
1               5                  10                  15
```

Phe Gln Ile Gln Pro Leu Gly Ser Pro Pro Phe Leu Val Asn Cys Glu
20 25 30

Met Thr Ser Asp Gly Gly Trp Thr Val Ile Gln Arg Arg Leu Asn Gly
35 40 45

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

Asp Pro Gln Gly Glu Phe Trp Leu Gly Leu Glu Lys Met His Ser Ile
65 70 75 80

Thr Gly Asn Arg Gly Ser Gln Leu Ala Val Gln Leu Gln Asp Trp Asp
85 90 95

Gly Asn Ala Lys Leu Leu Gln Phe Pro Ile His Leu Gly Gly Glu Asp
100 105 110

Thr Ala Tyr Ser Leu Gln Leu Thr Glu Pro Thr Ala Asn Glu Leu Gly
115 120 125

Ala Thr Asn Val Ser Pro Asn Gly Leu Ser Leu Pro Phe Ser Thr Trp
130 135 140

Asp Gln Asp His Asp Leu Arg Gly Asp Leu Asn Cys Ala Lys Ser Leu
145 150 155 160

Ser Gly Gly Trp Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly
165 170 175

Gln Tyr Phe His Ser Ile Pro Arg Gln Arg Gln Glu Arg Lys Lys Gly
180 185 190

Ile Phe Trp Lys Thr Trp Lys Gly Arg Tyr Tyr Pro Leu Gln Ala Thr
195 200 205

Thr Leu Leu Ile Gln Pro Met Glu Ala Thr Ala Ala Ser
210 215 220

<210> 4
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> siRNA against human ANGPTL4 sense strand

<400> 4
aaagcugcaa gaugaccuca gauggaggcu g 31

<210> 5
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> siRNA against human ANGPTL4 antisense strand

<400> 5
aaaacagccu ccaucugagg ucaucuugca g 31

<210> 6
<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<223> shRNA against human ANGPTL4 sense strand

<400> 6
ucgaggcagc accugcgaau ucagcaucug cauucaagag augcagaugc ugaauucgca 60

ggugcugcuu uuuuacgcgu a 81

<210> 7
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> siRNA against human ANGPTL4 antisence strand

<400> 7
agcuuacgcg uaaaaagcag caccugcgaa uucagcaucu gcaucucuug aaugcagaug 60

cugaauucgc aggugcugcc 80