Sequence Listing

<110> GENENTECH, INC.
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<120> INHIBITION OF TUMOR METASTASIS

<130> P4348R1 WO

<141> 2010-07-30

<150> US 61/230,571
<151> 2009-07-31

<150> US 61/350,558
<151> 2010-06-02

<160> 19

<210> 1
<211> 427
<212> DNA
<213> Homo sapiens

<400> 1
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tgctgccgcc gctgctgctc acgccccgcg ctggggacgc cgccgtgatc 100

accggggctt gtgacaagga ctcccaatgt ggtggaggca tgtgctgtgc 150

tgtcagtatc tgggtcaaga gcataaggat ttgcacacct atgggcaaac 200

tgggagacag ctgccatcca ctgactcgta aaaacaattt tggaaatgga 250

aggcaggaaa gaagaaagag gaagagaagc aaaaggaaaa aggaggttcc 300

atttttggg cggaggatgc atcacacttg cccatgtctg ccaggcttgg 350

cctgtttacg gacttcattt aaccgattta tttgtttagc ccaaaagtaa 400

tcgctctgga gtagaaacca aatgtga 427

<210> 2
<211> 129
<212> PRT
<213> Homo sapiens

<400> 2

Met	Arg	Ser	Leu	Cys	Cys	Ala	Pro	Leu	Leu	Leu	Leu	Leu	Leu	Leu	
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Pro	Pro	Leu	Leu	Leu	Thr	Pro	Arg	Ala	Gly	Asp	Ala	Ala	Val	Ile	
				20				25						30	
Thr	Gly	Ala	Cys	Asp	Lys	Asp	Ser	Gln	Cys	Gly	Gly	Gly	Met	Cys	
				35				40						45	
Cys	Ala	Val	Ser	Ile	Trp	Val	Lys	Ser	Ile	Arg	Ile	Cys	Thr	Pro	
				50				55						60	
Met	Gly	Lys	Leu	Gly	Asp	Ser	Cys	His	Pro	Leu	Thr	Arg	Lys	Asn	
				65				70						75	
Asn	Phe	Gly	Asn	Gly	Arg	Gln	Glu	Arg	Arg	Lys	Arg	Lys	Arg	Ser	
				80				85						90	

Lys Arg Lys Lys Glu Val Pro Phe Phe Gly Arg Arg Met His His
95 100 105

Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg Thr Ser Phe
110 115 120

Asn Arg Phe Ile Cys Leu Ala Gln Lys
125

<210> 3
<211> 363
<212> DNA
<213> Homo sapiens

<400> 3
gagggcgcca tgaggagcct gtgctgcgcc ccactcctgc tcctcttgct 50

gctgccgccg ctgctgctca cgccccgcgc tggggacgcc gccgtgatca 100

ccggggcttg tgacaaggac tcccaatgtg gtggaggcat gtgctgtgct 150

gtcagtatct gggtcaagag cataaggatt tgcacaccta tgggcaaact 200

gggagacagc tgccatccac tgactcgtaa agttccattt tttgggcgga 250

ggatgcatca cacttgccca tgtctgccag gcttggcctg tttacggact 300

tcatttaacc gatttatttg tttagcccaa aagtaatcgc tctggagtag 350

aaaccaaatg tga 363

<210> 4
<211> 108
<212> PRT
<213> Homo sapiens

<400> 4
Met Arg Ser Leu Cys Cys Ala Pro Leu Leu Leu Leu Leu Leu Leu
1 5 10 15

Pro Pro Leu Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile
20 25 30

Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys
35 40 45

Cys Ala Val Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro
50 55 60

Met Gly Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val
65 70 75

Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro
80 85 90

Gly Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu
95 100 105

Ala Gln Lys

<210> 5
<211> 1338
<212> DNA
<213> Mouse

<400> 5
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gggacccgcg ctgtgccccg ctactgctac ttctgctgct accgctgctg 100

ttcacaccgc ccgccgggga tgccgcggtc atcaccgggg cttgcgacaa 150

ggactctcag tgcggaggag gcatgtgctg tgctgtcagt atctgggtta 200

agagcataag gatctgcaca cctatgggcc aagtgggcga cagctgccac 250

cccctgactc ggaaagttcc attttggggg cggaggatgc accacacctg 300

cccctgcctg ccaggcttgg cgtgtttaag gacttctttc aaccggttta 350

tttgcttggc ccggaaatga tcactctgaa gtaggaactt gaaatgcgac 400

cctccgctgc acaatgtccg tcgagtctca cttgtaattg tggcaaacaa 450

agaatactcc agaaagaaat gttctccccc ttccttgact ttccaagtaa 500

cgtttctatc tttgattttt gaagtggctt ttttttttt ttttttttcc 550

tttccttgaa ggaaagtttt gatttttgga gagatttata gaggactttc 600

tgacatggct tctcatttcc ctgtttatgt tttgccttga cattttgaa 650

tgccaataac aactgttttc acaaatagga gaataagagg gaacaatctg 700

ttgcagaaac ttccttttgc cctttgcccc actcgccccg ccccgccccg 750

ccccgccctg cccatgcgca gacagacaca cccttactct tcaaagactc 800

tgatgatcct caccttactg tagcattgtg ggtttctaca cttccccgcc 850

ttgctggtgg acccactgag gaggctcaga gagctagcac tgtacaggtt 900

tgaaccagat cccccaagca gctcatttgg ggcagacgtt gggagcgctc 950

caggaacttt cctgcaccca tctggcccac tggctttcag ttctgctgtt 1000

taactggtgg gaggacaaaa ttaacgggac cctgaaggaa cctggcccgt 1050

ttatctagat ttgtttaagt aaaagacatt ttctccttgt tgtggaatat 1100

tacatgtctt tttctttttt atctgaagct ttttttttt ttctttaagt 1150

cttcttgttg gagacatttt aaagaacgcc actcgaggaa gcattgattt 1200

tcatytggca tgacaggagt catcatttta aaaaatcggt gttaagttat 1250

aatttaaact ttatttgtaa cccaaaggty taatgtaaat ggatttcctg 1300

atatcctgcc atttgtactg gtatcaatat ttytatgt 1338

<210> 6
<211> 107
<212> PRT
<213> Mouse

<400> 6

Met Gly Asp Pro Arg Cys Ala Pro Leu Leu Leu Leu Leu Leu
1 5 10 15

Pro Leu Leu Phe Thr Pro Pro Ala Gly Asp Ala Ala Val Ile Thr
20 25 30

Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys
35 40 45

```
Ala Val Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met
                50                  55                  60

Gly Gln Val Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro
                65                  70                  75

Phe Trp Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly
                80                  85                  90

Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala
                95                 100                 105

Arg Lys
```

<210> 7
<211> 624
<212> DNA
<213> Homo sapiens

<400> 7

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gctgctgtgg cacagtgcac tctggacagt gcaggaagcc acccccctgg 100

gccctgccag ctccctgccc cagagcttcc tgctcaagtg cttagagcaa 150

gtgaggaaga tccagggcga tggcgcagcg ctccaggaga agctggtgag 200

tgagtgtgcc acctacaagc tgtgccaccc cgaggagctg gtgctgctcg 250

gacactctct gggcatcccc tgggctcccc tgagcagctg ccccagccag 300

gccctgcagc tggcaggctg cttgagccaa ctccatagcg gccttttcct 350

ctaccagggg ctcctgcagg ccctggaagg gatctccccc gagttgggtc 400

ccaccttgga cacactgcag ctggacgtcg ccgactttgc caccaccatc 450

tggcagcaga tggaagaact gggaatggcc cctgccctgc agcccaccca 500

gggtgccatg ccggccttcg cctctgcttt ccagcgccgg gcaggagggg 550

tcctggttgc ctcccatctg cagagcttcc tggaggtgtc gtaccgcgtt 600

ctacgccacc ttgcccagcc  ctga 624
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<210> 8
<211> 207
<212> PRT
<213> Homo sapiens

<400> 8

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Met Ala Gly Pro Ala Thr Gln Ser Pro Met Lys Leu Met Ala Leu
  1               5                  10                  15

Gln Leu Leu Leu Trp His Ser Ala Leu Trp Thr Val Gln Glu Ala
                20                  25                  30

Thr Pro Leu Gly Pro Ala Ser Ser Leu Pro Gln Ser Phe Leu Leu
                35                  40                  45

Lys Cys Leu Glu Gln Val Arg Lys Ile Gln Gly Asp Gly Ala Ala
                50                  55                  60

Leu Gln Glu Lys Leu Val Ser Glu Cys Ala Thr Tyr Lys Leu Cys
                65                  70                  75
```

His Pro Glu Glu Leu Val Leu Leu Gly His Ser Leu Gly Ile Pro
80 85 90

Trp Ala Pro Leu Ser Ser Cys Pro Ser Gln Ala Leu Gln Leu Ala
95 100 105

Gly Cys Leu Ser Gln Leu His Ser Gly Leu Phe Leu Tyr Gln Gly
110 115 120

Leu Leu Gln Ala Leu Glu Gly Ile Ser Pro Glu Leu Gly Pro Thr
125 130 135

Leu Asp Thr Leu Gln Leu Asp Val Ala Asp Phe Ala Thr Thr Ile
140 145 150

Trp Gln Gln Met Glu Glu Leu Gly Met Ala Pro Ala Leu Gln Pro
155 160 165

Thr Gln Gly Ala Met Pro Ala Phe Ala Ser Ala Phe Gln Arg Arg
170 175 180

Ala Gly Gly Val Leu Val Ala Ser His Leu Gln Ser Phe Leu Glu
185 190 195

Val Ser Tyr Arg Val Leu Arg His Leu Ala Gln Pro
200 205

<210> 9
<211> 603
<212> DNA
<213> Homo sapiens

<400> 9
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cagtgcactc tggacagtgc aggaagccac ccccctgggc cctgccagct 100

ccctgcccca gagcttcctg ctcaagtgct tagagcaagt gaggaagatc 150

cagggcgatg gcgcagcgct ccaggagaag ctgtgtgcca cctacaagct 200

gtgccacccc gaggagctgg tgctgctcgg acactctctg ggcatcccct 250

gggctcccct gagcagctgc cccagccagg ccctgcagct ggcaggctgc 300

ttgagccaac tccatagcgg ccttttcctc taccaggggc tcctgcaggc 350

cctggaaggg atctcccccg agttgggtcc caccttggac acactgcagc 400

tggacgtcgc cgactttgcc accaccatct ggcagcagat ggaagaactg 450

ggaatggccc ctgccctgca gcccacccag ggtgccatgc cggccttcgc 500

ctctgctttc cagcgccggg caggaggggt cctggttgcc tcccatctgc 550

agagcttcct ggaggtgtcg taccgcgttc tacgccacct tgcccagccc 600

tga 603

<210> 10
<211> 200
<212> PRT
<213> Homo sapiens

<400> 10
Met Ser Pro Glu Pro Ala Leu Ser Pro Ala Leu Gln Leu Leu Leu
1 5 10 15

```
Trp His Ser Ala Leu Trp Thr Val Gln Glu Ala Thr Pro Leu Gly
                20                  25                  30

Pro Ala Ser Ser Leu Pro Gln Ser Phe Leu Leu Lys Cys Leu Glu
                35                  40                  45

Gln Val Arg Lys Ile Gln Gly Asp Gly Ala Ala Leu Gln Glu Lys
                50                  55                  60

Leu Cys Ala Thr Tyr Lys Leu Cys His Pro Glu Glu Leu Val Leu
                65                  70                  75

Leu Gly His Ser Leu Gly Ile Pro Trp Ala Pro Leu Ser Ser Cys
                80                  85                  90

Pro Ser Gln Ala Leu Gln Leu Ala Gly Cys Leu Ser Gln Leu His
                95                 100                 105

Ser Gly Leu Phe Leu Tyr Gln Gly Leu Leu Gln Ala Leu Glu Gly
               110                 115                 120

Ile Ser Pro Glu Leu Gly Pro Thr Leu Asp Thr Leu Gln Leu Asp
               125                 130                 135

Val Ala Asp Phe Ala Thr Thr Ile Trp Gln Gln Met Glu Glu Leu
               140                 145                 150

Gly Met Ala Pro Ala Leu Gln Pro Thr Gln Gly Ala Met Pro Ala
               155                 160                 165

Phe Ala Ser Ala Phe Gln Arg Arg Ala Gly Gly Val Leu Val Ala
               170                 175                 180

Ser His Leu Gln Ser Phe Leu Glu Val Ser Tyr Arg Val Leu Arg
               185                 190                 195

His Leu Ala Gln Pro
               200
```

<210> 11
<211> 615
<212> DNA
<213> Homo sapiens

<400> 11

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gctgctgtgg cacagtgcac tctggacagt gcaggaagcc acccccctgg 100

gccctgccag ctccctgccc cagagcttcc tgctcaagtg cttagagcaa 150

gtgaggaaga tccagggcga tggcgcagcg ctccaggaga agctgtgtgc 200

cacctacaag ctgtgccacc ccgaggagct ggtgctgctc ggacactctc 250

tgggcatccc ctgggctccc ctgagcagct gccccagcca ggccctgcag 300

ctggcaggct gcttgagcca actccatagc ggccttttcc tctaccaggg 350

gctcctgcag gccctggaag ggatctcccc cgagttgggt cccaccttgg 400

acacactgca gctggacgtc gccgactttg ccaccaccat ctggcagcag 450

atggaagaac tgggaatggc ccctgccctg cagcccaccc agggtgccat 500

gccggccttc gcctctgctt tccagcgccg ggcaggaggg gtcctggttg 550

cctcccatct gcagagcttc ctggaggtgt cgtaccgcgt tctacgccac 600
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cttgcccagc cctga 615

<210> 12
<211> 204
<212> PRT
<213> Homo sapiens

<400> 12

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Met Ala Gly Pro Ala Thr Gln Ser Pro Met Lys Leu Met Ala Leu
  1               5                  10                  15

Gln Leu Leu Leu Trp His Ser Ala Leu Trp Thr Val Gln Glu Ala
             20                  25                  30

Thr Pro Leu Gly Pro Ala Ser Ser Leu Pro Gln Ser Phe Leu Leu
             35                  40                  45

Lys Cys Leu Glu Gln Val Arg Lys Ile Gln Gly Asp Gly Ala Ala
             50                  55                  60

Leu Gln Glu Lys Leu Cys Ala Thr Tyr Lys Leu Cys His Pro Glu
             65                  70                  75

Glu Leu Val Leu Leu Gly His Ser Leu Gly Ile Pro Trp Ala Pro
             80                  85                  90

Leu Ser Ser Cys Pro Ser Gln Ala Leu Gln Leu Ala Gly Cys Leu
             95                 100                 105

Ser Gln Leu His Ser Gly Leu Phe Leu Tyr Gln Gly Leu Leu Gln
            110                 115                 120

Ala Leu Glu Gly Ile Ser Pro Glu Leu Gly Pro Thr Leu Asp Thr
            125                 130                 135

Leu Gln Leu Asp Val Ala Asp Phe Ala Thr Thr Ile Trp Gln Gln
            140                 145                 150

Met Glu Glu Leu Gly Met Ala Pro Ala Leu Gln Pro Thr Gln Gly
            155                 160                 165

Ala Met Pro Ala Phe Ala Ser Ala Phe Gln Arg Arg Ala Gly Gly
            170                 175                 180

Val Leu Val Ala Ser His Leu Gln Ser Phe Leu Glu Val Ser Tyr
            185                 190                 195

Arg Val Leu Arg His Leu Ala Gln Pro
            200
```

<210> 13
<211> 516
<212> DNA
<213> Homo sapiens

<400> 13

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gctgctgtgg cacagtgcac tctggacagt gcaggaagcc acccccctgg 100

gccctgccag ctccctgccc cagagcttcc tgctcaagtg cttagagcaa 150

gtgaggaaga tccagggcga tggcgcagcg ctccaggaga agctggtgag 200

tgaggcaggc tgcttgagcc aactccatag cggccttttc ctctaccagg 250

ggctcctgca ggccctggaa gggatctccc ccgagttggg tcccaccttg 300
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gacacactgc agctggacgt cgccgacttt gccaccacca tctggcagca 350

gatggaagaa ctgggaatgg cccctgccct gcagcccacc cagggtgcca 400

tgccggcctt cgcctctgct ttccagcgcc gggcaggagg ggtcctggtt 450

gcctcccatc tgcagagctt cctggaggtg tcgtaccgcg ttctacgcca 500

ccttgcccag ccctga 516

<210> 14
<211> 171
<212> PRT
<213> Homo sapiens

<400> 14

Met	Ala	Gly	Pro	Ala	Thr	Gln	Ser	Pro	Met	Lys	Leu	Met	Ala	Leu
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Gln	Leu	Leu	Leu	Trp	His	Ser	Ala	Leu	Trp	Thr	Val	Gln	Glu	Ala
				20				25						30
Thr	Pro	Leu	Gly	Pro	Ala	Ser	Ser	Leu	Pro	Gln	Ser	Phe	Leu	Leu
				35				40						45
Lys	Cys	Leu	Glu	Gln	Val	Arg	Lys	Ile	Gln	Gly	Asp	Gly	Ala	Ala
				50				55						60
Leu	Gln	Glu	Lys	Leu	Val	Ser	Glu	Ala	Gly	Cys	Leu	Ser	Gln	Leu
				65				70						75
His	Ser	Gly	Leu	Phe	Leu	Tyr	Gln	Gly	Leu	Leu	Gln	Ala	Leu	Glu
				80				85						90
Gly	Ile	Ser	Pro	Glu	Leu	Gly	Pro	Thr	Leu	Asp	Thr	Leu	Gln	Leu
				95				100						105
Asp	Val	Ala	Asp	Phe	Ala	Thr	Thr	Ile	Trp	Gln	Gln	Met	Glu	Glu
				110				115						120
Leu	Gly	Met	Ala	Pro	Ala	Leu	Gln	Pro	Thr	Gln	Gly	Ala	Met	Pro
				125				130						135
Ala	Phe	Ala	Ser	Ala	Phe	Gln	Arg	Arg	Ala	Gly	Gly	Val	Leu	Val
				140				145						150
Ala	Ser	His	Leu	Gln	Ser	Phe	Leu	Glu	Val	Ser	Tyr	Arg	Val	Leu
				155				160						165
Arg	His	Leu	Ala	Gln	Pro									
				170										

<210> 15
<211> 19
<212> DNA
<213> Artificial sequence

<220>
<223> sequence is synthesized

<400> 15
ccgcaaggaa tcggtcaat 19

<210> 16
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> sequence is synthesized

<400> 16
gatcagcaat cgcgcatatg 20

<210> 17
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> sequence is synthesized

<400> 17
cactacatgg cgtgatt 17

<210> 18
<211> 6
<212> PRT
<213> Artificial sequence

<220>
<223> sequence is synthesized

<400> 18
Gly Ser Gly Ser Gly Ser
5

<210> 19
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> sequence is synthesized

<400> 19
Gly Gly Gly Ser