SEQUENCE LISTING

<110> MIYAZAKI, Toru

<120> prophylactic or therapeutic agent for kidney disease

<130> 092272

<150> JP 2014-022041
<151> 2014-02-07

<160> 6

<170> PatentIn version 3.5

<210> 1
<211> 1044
<212> DNA
<213> Homo sapiens

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cagaaaggcc agtggggcac cgtgtgtgat gacggctggg acattaagga cgtggctgtg 180

ttgtgccggg agctgggctg tggagctgcc agcggaaccc ctagtggtat tttgtatgag 240

ccaccagcag aaaaagagca aaaggtcctc atccaatcag tcagttgcac aggaacagaa 300

gatacattgg ctcagtgtga gcaagaagaa gtttatgatt gttcacatga tgaagatgct 360

ggggcatcgt gtgagaaccc agagagctct ttctccccag tcccagaggg tgtcaggctg 420

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ccctttgact tgagactagt aggaggagac aacctctgct ctgggcgact ggaggtgctg 780

cacaagggcg tatggggctc tgtctgtgat gacaactggg gagaaaagga ggaccaggtg 840

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tatggccctg gggttggccg catctggctg gataatgttc gttgctcagg ggaggagcag 960

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<210> 2
<211> 347
<212> PRT
<213> Homo sapiens

<400> 2

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Phe Leu Ala Ser Pro Ser Gly Val Arg Leu Val Gly Gly Leu His Arg
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Cys Glu Gly Arg Val Glu Val Glu Gln Lys Gly Gln Trp Gly Thr Val
        35                  40                  45

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

Leu Gly Cys Gly Ala Ala Ser Gly Thr Pro Ser Gly Ile Leu Tyr Glu
65                  70                  75                  80

Pro Pro Ala Glu Lys Glu Gln Lys Val Leu Ile Gln Ser Val Ser Cys
                85                  90                  95

Thr Gly Thr Glu Asp Thr Leu Ala Gln Cys Glu Gln Glu Glu Val Tyr
            100                 105                 110

Asp Cys Ser His Asp Glu Asp Ala Gly Ala Ser Cys Glu Asn Pro Glu
        115                 120                 125

Ser Ser Phe Ser Pro Val Pro Glu Gly Val Arg Leu Ala Asp Gly Pro
    130                 135                 140

Gly His Cys Lys Gly Arg Val Glu Val Lys His Gln Asn Gln Trp Tyr
145                 150                 155                 160

Thr Val Cys Gln Thr Gly Trp Ser Leu Arg Ala Ala Lys Val Val Cys
                165                 170                 175

Arg Gln Leu Gly Cys Gly Arg Ala Val Leu Thr Gln Lys Arg Cys Asn
            180                 185                 190
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Lys His Ala Tyr Gly Arg Lys Pro Ile Trp Leu Ser Gln Met Ser Cys
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Ser Gly Arg Glu Ala Thr Leu Gln Asp Cys Pro Ser Gly Pro Trp Gly
    210                 215                 220

Lys Asn Thr Cys Asn His Asp Glu Asp Thr Trp Val Glu Cys Glu Asp
225                 230                 235                 240

Pro Phe Asp Leu Arg Leu Val Gly Gly Asp Asn Leu Cys Ser Gly Arg
                245                 250                 255

Leu Glu Val Leu His Lys Gly Val Trp Gly Ser Val Cys Asp Asp Asn
            260                 265                 270

Trp Gly Glu Lys Glu Asp Gln Val Val Cys Lys Gln Leu Gly Cys Gly
        275                 280                 285

Lys Ser Leu Ser Pro Ser Phe Arg Asp Arg Lys Cys Tyr Gly Pro Gly
    290                 295                 300

Val Gly Arg Ile Trp Leu Asp Asn Val Arg Cys Ser Gly Glu Glu Gln
305                 310                 315                 320

Ser Leu Glu Gln Cys Gln His Arg Phe Trp Gly Phe His Asp Cys Thr
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His Gln Glu Asp Val Ala Val Ile Cys Ser Gly
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<210> 3
<211> 1068
<212> DNA
<213> Felis catus

<400> 3

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caggatgacg agtgggtcac cgtgtgtgat gactactgga acatggactc tgtggccgtg     180

ctgtgccggg agctgggctg tggggcggcc aggaagacca tgagtggcac cgtgtatgga     240

ccagtgacac caaaggacca aaaagtcttc atccacctgt tcagatgcaa tgggatcgaa     300
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ctggccgatg gccccgggcg ctgccagggc cgagtggagg tgaagttccg aggggagtgg 480

agctctgtgt gccaagcagg ctggagcttt gcagccgcca aggtggtgtg ccggcagctg 540

gggtgtggac gggccaccct gacccggaga ggctgcaaca aagcgaccca gggccaaggg 600

gccatctggc agagaaaggc gtcatgctca ggacaagaag tgagccttca agattgcctt 660

tctgaagttt gggaacacaa ctgtacccac aatgaggacg tgtgggtcga atgtgaagat 720

ccctttgcct tgaagctggt aggaggacgc agccactgtg aggggaggct ggaggtgctg 780

cacaagggcg agtggggctc tgtctgcgac gacggctggg gacaagacgc agaccgggtg 840

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<210> 4
<211> 355
<212> PRT
<213> Felis catus

<400> 4

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Ile Leu Gly Ser Phe Ser Arg Val Arg Leu Val Gly Gly Asp His Arg
20 25 30

Cys Glu Gly Arg Val Glu Leu Gln Gln Asp Asp Glu Trp Val Thr Val
35 40 45

Cys Asp Asp Tyr Trp Asn Met Asp Ser Val Ala Val Leu Cys Arg Glu
50 55 60

Leu Gly Cys Gly Ala Ala Arg Lys Thr Met Ser Gly Thr Val Tyr Gly
65 70 75 80

Pro Val Thr Pro Lys Asp Gln Lys Val Phe Ile His Leu Phe Arg Cys

85 90 95

Asn Gly Ile Glu Glu Ser Leu Ser Gln Cys Glu Arg Glu Asp Ala Ile
100 105 110

Gly Cys Ser His Val Glu Asp Ala Gly Ala Val Cys Glu Pro Ile Tyr
115 120 125

Thr Gly Pro Gly Ile Leu Gly Pro Glu Ser Val Arg Leu Ala Asp Gly
130 135 140

Pro Gly Arg Cys Gln Gly Arg Val Glu Val Lys Phe Arg Gly Glu Trp
145 150 155 160

Ser Ser Val Cys Gln Ala Gly Trp Ser Phe Ala Ala Ala Lys Val Val
165 170 175

Cys Arg Gln Leu Gly Cys Gly Arg Ala Thr Leu Thr Arg Arg Gly Cys
180 185 190

Asn Lys Ala Thr Gln Gly Gln Gly Ala Ile Trp Gln Arg Lys Ala Ser
195 200 205

Cys Ser Gly Gln Glu Val Ser Leu Gln Asp Cys Leu Ser Glu Val Trp
210 215 220

Glu His Asn Cys Thr His Asn Glu Asp Val Trp Val Glu Cys Glu Asp
225 230 235 240

Pro Phe Ala Leu Lys Leu Val Gly Gly Arg Ser His Cys Glu Gly Arg
245 250 255

Leu Glu Val Leu His Lys Gly Glu Trp Gly Ser Val Cys Asp Asp Gly
260 265 270

Trp Gly Gln Asp Ala Asp Arg Val Val Cys Arg Gln Leu Gly Cys Gly
275 280 285

Gln Pro Leu Ser Pro Pro Val Lys Val Arg Arg Arg Phe Gly Pro Gly
290 295 300

Val Gly Arg Ile Trp Leu Asp Asp Val Lys Cys Ser Gly Lys Glu Pro

305 310 315 320

Ser Leu Glu Gln Cys Leu His Arg Ser Trp Gly Tyr His Asn Cys Asn
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His Arg Glu Asp Val Ala Val Val Cys Glu Glu Gln Gln Ser Gly Leu
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Pro Asp Ala
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<210> 5
<211> 1196
<212> DNA
<213> Felis catus

<400> 5
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gcattttagg gtctttttcc agagtgcggc tagtgggagg cgaccaccgc tgtgaaggtc 180

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gcaccgtgta tggaccagtg acaccaaagg accaaaaagt cttcatccac ctgttcagat 360

gcaatgggat cgaagaaagc ctgtctcagt gcgagaggga agatgcaatc ggatgctccc 420

atgttgagga tgcgggagcc gtgtgcgagc ccatttacac tggacctggc attttagggc 480

cggagagtgt gaggctggcc gatggccccg ggcgctgcca gggccgagtg gaggtgaagt 540

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cccagggcca aggggccatc tggcagagaa aggcgtcatg ctcaggacaa gaagtgagcc 720

ttcaagattg cctttctgaa gtttgggaac acaactgtac ccacaatgag gacgtgtggg 780

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aagtccggag aaggttcggc cccggggtcg gccgcatctg gctggacgac gtcaagtgct 1020

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accacagaga ggatgtggct gtggtctgtg aagaacagca gtctggccta cctgatgctt 1140

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<210> 6
<211> 352
<212> PRT
<213> Mus musculus

<400> 6

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20 25 30

Ala His Arg Cys Glu Gly Arg Val Glu Val Glu His Asn Gly Gln Trp
35 40 45

Gly Thr Val Cys Asp Asp Gly Trp Asp Arg Arg Asp Val Ala Val Val
50 55 60

Cys Arg Glu Leu Asn Cys Gly Ala Val Ile Gln Thr Pro Arg Gly Ala
65 70 75 80

Ser Tyr Gln Pro Pro Ala Ser Glu Gln Arg Val Leu Ile Gln Gly Val
85 90 95

Asp Cys Asn Gly Thr Glu Asp Thr Leu Ala Gln Cys Glu Leu Asn Tyr
100 105 110

Tyr Val Phe Asp Cys Ser His Glu Glu Asp Ala Gly Ala Gln Cys Glu
115 120 125

Asn Pro Asp Ser Asp Leu Leu Phe Ile Pro Glu Asp Val Arg Leu Val
130 135 140

Asp Gly Pro Gly His Cys Gln Gly Arg Val Glu Val Leu His Gln Ser
145 150 155 160

Gln Trp Ser Thr Val Cys Lys Ala Gly Trp Asn Leu Gln Val Ser Lys
165 170 175

Val Val Cys Arg Gln Leu Gly Cys Gly Arg Ala Leu Leu Thr Tyr Gly
180 185 190

Ser Cys Asn Lys Asn Thr Gln Gly Lys Gly Pro Ile Trp Met Gly Lys
195 200 205

Met Ser Cys Ser Gly Gln Glu Ala Asn Leu Arg Ser Cys Leu Leu Ser
210 215 220

Arg Leu Glu Asn Asn Cys Thr His Gly Glu Asp Thr Trp Met Glu Cys
225 230 235 240

Glu Asp Pro Phe Glu Leu Lys Leu Val Gly Gly Asp Thr Pro Cys Ser
245 250 255

Gly Arg Leu Glu Val Leu His Lys Gly Ser Trp Gly Ser Val Cys Asp
260 265 270

Asp Asn Trp Gly Glu Lys Glu Asp Gln Val Val Cys Lys Gln Leu Gly
275 280 285

Cys Gly Lys Ser Leu His Pro Ser Pro Lys Thr Arg Lys Ile Tyr Gly
290 295 300

Pro Gly Ala Gly Arg Ile Trp Leu Asp Asp Val Asn Cys Ser Gly Lys
305 310 315 320

Glu Gln Ser Leu Glu Phe Cys Arg His Arg Leu Trp Gly Tyr His Asp
325 330 335

Cys Thr His Lys Glu Asp Val Glu Val Ile Cys Thr Asp Phe Asp Val
340 345 350