

Homo sapiens G protein-coupled receptor 55 (GPR55) in pcDNA3.1+
Sequence Range: 1 to 1059

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      >HindIII   >KpnI
      |         |
>AflIII | >Asp718I |         >BamHI
      |         |         |
      10       20       30       40       50
TAACTTAAGCTTGGTACCGAGCTCGGATCCACCATGAGTCAGCAAAACAC
                               M S Q Q N T>
                               _____GPR55_____>

      60       70       80       90      100
CAGTGGGGACTGCCTGTTTGACGGTGTCAACGAGCTGATGAAAACCTAC
  S G D C L F D G V N E L M K T L>
      _____GPR55_____>

      110      120      130      140      150
AGTTTGCAGTCCACATCCCCACCTTCGTCCTGGGCCTGCTCCTCAACCTG
Q F A V H I P T F V L G L L L N L>
      _____GPR55_____>

                               >AflIII
                               |
      160      170      180      190      200
CTGGCCATCCATGGCTTCAGCACCTTCCTTAAGAACAGGTGGCCCCGATTA
  L A I H G F S T F L K N R W P D Y>
      _____GPR55_____>

      210      220      230      240      250
TGCTGCCACCTCCATCTACATGATCAACCTGGCAGTCTTTGACCTGCTGC
  A A T S I Y M I N L A V F D L L>
      _____GPR55_____>

      260      270      280      290      300
TGGTGCTCTCCCTCCCATTCAGATGGTCCTGTCCCAGGTACAGTCCCCC
L V L S L P F K M V L S Q V Q S P>
      _____GPR55_____>

      310      320      330      340      350
TTCCCGTCCCTGTGCACCCTGGTGGAGTGCCTTTACTTCGTGAGCATGTA
  F P S L C T L V E C L Y F V S M Y>
      _____GPR55_____>

      360      370      380      390      400
CGGAAGCGTCTTCACCATCTGCTTCATCAGCATGGACCGGTTCTTGCCA
  G S V F T I C F I S M D R F L A>
      _____GPR55_____>

      410      420      430      440      450
TCCGTTACCCGCTACTGGTGAGCCACCTCCGGTCCCCCAGGAAGATCTTT
I R Y P L L V S H L R S P R K I F>
      _____GPR55_____>

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460 470 480 490 500
GGGATCTGCTGCACCATCTGGGTCTGGTGTGGACCGGAAGCATCCCTAT
G I C C T I W V L V W T G S I P I>
GPR55>

510 520 530 540 550
CTACAGTTTCCATGGGAAAGTGGAAAAATACATGTGCTTCCACAACATGT
Y S F H G K V E K Y M C F H N M>
GPR55>

>nt534_C->T_(silent)
560 570 580 590 600
CTGATGATACCTGGAGTGCCAAGGTCTTCTTCCCGCTGGAGGTGTTTGGC
S D D T W S A K V F F P L E V F G>
GPR55>

610 620 630 640 650
TTCCTCCTTCCCATGGGCATCATGGGCTTCTGCTGCTCCAGGAGCATCCA
F L L P M G I M G F C C S R S I H>
GPR55>

660 670 680 690 700
CATCCTGCTGGGCCGCCGAGACCACACCCAGGACTGGGTGCAGCAGAAAG
I L L G R R D H T Q D W V Q Q K>
GPR55>

710 720 730 740 750
CCTGCATCTACAGCATCGCAGCCAGCCTGGCTGTCTTCGTGGTCTCCTTC
A C I Y S I A A S L A V F V V S F>
GPR55>

760 770 780 790 800
CTCCCAGTCCACCTGGGGTTCTTCTGTCAGTTCCTGGTGAGAAACAGCTT
L P V H L G F F L Q F L V R N S F>
GPR55>

810 820 830 840 850
TATCGTAGAGTGCAGAGCCAAGCAGAGCATCAGCTTCTTCTTGCAATTGT
I V E C R A K Q S I S F F L Q L>
GPR55>

>nt834_C->T_(silent)
860 870 880 890 900
CCATGTGTTTCTCCAATGTCAACTGCTGCCTGGATGTTTTCTGCTACTAC
S M C F S N V N C C L D V F C Y Y>
GPR55>

>EcoRI >ApaI
910 920 930 940 950
TTTGTGCATCAAAGAATTCCGCATGAACATCAGGGCCCACCGGCCTTCCAG
F V I K E F R M N I R A H R P S R>
GPR55>

960 970 980 990 1000
GGTCCAGCTGGTCCTGCAGGACACCACGATCTCCCGGGGCTAACTCGAGT
V Q L V L Q D T T I S R G *>
GPR55
1010 1020 1030 1040 1050
CTAGATGACTAACTATAGTGTACCTAAATCGTATGTCCCTTTAGTGAGG
GTAATGCCC

>XhoI
|
>XbaI
|