

Human G-Protien Orphan Receptor 57 (GPR57) in pcDNA3.1+

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                                >KpnI   >BamHI
                                |       |
                                30       40
    10      20      30      40      50
CGATCCATTGGGTTTTTTAATTTAAGCCTTGGTACCGAAGCTCGGATCCAC

    60      70      80      90      100
CATGGATCTAACTTATATTCCCGAAGACCTATCCAGTTGTCCAAAATTTG
  M D L T Y I P E D L S S C P K F>
    _____GPR57 OPEN READING FRAME_____>

    110     120     130     140     150
TAAATAAGATCCTGTCTCTCCACCAACCGCTCTTTTCATGTCCAGGTGAT
V N K I L S S H Q P L F S C P G D>
    _____GPR57 OPEN READING FRAME_____>

    160     170     180     190     200
AATGTATTCGGTTATGACTGGAGCCATGATTATCCACTATTCGGAAACTT
  N V F G Y D W S H D Y P L F G N L>
    _____GPR57 OPEN READING FRAME_____>

    210     220     230     240     250
GGTTATAATGGTTTCCATATCGCATTTCAAACAGCTTCACTCTCCCACAA
  V I M V S I S H F K Q L H S P T>
    _____GPR57 OPEN READING FRAME_____>

    260     270     280     290     300
ACTTTCTGATCCTCTCCATGGCAACCACGGACTTTCTGCTGGGTTTTGTGTC
N F L I L S M A T T D F L L G F V>
    _____GPR57 OPEN READING FRAME_____>

    310     320     330     340     350
ATTATGCCATACAGCATAATGCGATCAGTGGAGAGTTGCTGGTACTTTGG
  I M P Y S I M R S V E S C W Y F G>
    _____GPR57 OPEN READING FRAME_____>

                                >HindIII
                                |
                                370     380     390     400
    360     370     380     390     400
GGATGGCTTTTGTAAATTCCACACAAGCTTTGACATGATGCTCAGACTGA
  D G F C K F H T S F D M M L R L>
    _____GPR57 OPEN READING FRAME_____>

    410     420     430     440     450
CCTCCATTTTCCACCTCTGTTCCATTGCTATTGACCGATTTTATGCCGTG
T S I F H L C S I A I D R F Y A V>
    _____GPR57 OPEN READING FRAME_____>

    460     470     480     490     500
TGTTACCCTTTTACATTACACAACCAAAATGACGAACTCCACCATAAAGCA
  C Y P L H Y T T K M T N S T I K Q>
    _____GPR57 OPEN READING FRAME_____>

    510     520     530     540     550
ACTGCTGGCATTTTGCTGGTCAGTTCCTGCTCTTTTTTCTTTTGGTTTAG
  L L A F C W S V P A L F S F G L>
    _____GPR57 OPEN READING FRAME_____>

    560     570     580     590     600

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TTCTATCTGAGGCCGATGTTTCCGGTATGCAGAGCTATAAGATACTTGT
V L S E A D V S G M Q S Y K I L V>
_____GPR57 OPEN READING FRAME_____>

610 620 630 640 650
GCTTGCTTCAATTTCTGTGCCCTTACTTTCAACAAATTCTGGGGGACAAT
A C F N F C A L T F N K F W G T I>
_____GPR57 OPEN READING FRAME_____>

660 670 680 690 700
ATTGTTCACTACATGTTTCTTTACCCCTGGCTCCATCATGGTTGGTATTT
L F T T C F F T P G S I M V G I>
_____GPR57 OPEN READING FRAME_____>

>XhoI
710 720 730 740 750
ATGGCAAAATCTTTATCGTTTCCAAACAGCATGCTCGAGTCATCAGCCAT
Y G K I F I V S K Q H A R V I S H>
_____GPR57 OPEN READING FRAME_____>

760 770 780 790 800
GTGCCTGAAAACACAAAGGGGGCAGTGAAAAACACCTATCCAAGAAAAA
V P E N T K G A V K K H L S K K K>
_____GPR57 OPEN READING FRAME_____>

810 820 830 840 850
GGACAGGAAAGCAGCGAAGACACTGGGTATAGTAATGGGGGTGTTTCTGG
D R K A A K T L G I V M G V F L>
_____GPR57 OPEN READING FRAME_____>

860 870 880 890 900
CTTGCTGGTTGCCTTGTTTTCTTGCTGTTCTGATTGACCCATACCTAGAC
A C W L P C F L A V L I D P Y L D>
_____GPR57 OPEN READING FRAME_____>

910 920 930 940 950
TACTCCACTCCCATATACTAATATTGGATCTTTTAGTGTGGCTCCGGTACTT
Y S T P I L I L D L L V W L R Y F>
_____GPR57 OPEN READING FRAME_____>

960 970 980 990 1000
CAACTCTACTTGCAACCCTCTTATTCATGGCTTTTTTAATCCATGGTTTC
N S T C N P L I H G F F N P W F>
_____GPR57 OPEN READING FRAME_____>

1010 1020 1030 1040 1050
AGAAAGCATTCAAGTACATAGTGTGAGGAAAAATATTTAGCTCCCATTCA
Q K A F K Y I V S G K I F S S H S>
_____GPR57 OPEN READING FRAME_____>

>EcoRV
>EcoRI >PstI
1060 1070 1080 1090 1100
GAAACTGCAAATTTGTTTCTGAAGCACATTAATAAGAATTCTGCAGATA
E T A N L F P E A H *>
_____GPR57 OPEN READING FRAME_____>

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      >BstXI      >XhoI      >XbaI
      |          |          |
    1110      1120      1130      1140
TCCAGCACAGTGGCGGCCGCTCGAGTCTAGACGCCCCTTAACCC
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