

Human parathyroid hormone receptor 2 (PTHr2) in pcDNA3.1

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                                >KpnI
                                |
                        >AflIII  >Asp7181
                        |      |
>NheI  >PmeI  >HindIII
|      |      |      |
|      |      |      |
10      20      30      40      50
GCTAGCGTTTAACTTAAGCTTGGTACCATGGCCGGGCTGGGGGCGTCGC
CGATCGCAAATTTGAATTCGAACCATGGTACCGGCCCCGACCCCGCAGCG
      M A G L G A S>
      ____HUMAN PARATHYRO____>

      60      70      80      90      100
TCCACGTCTGGGGTTGGCTAATGCTCGGCAGCTGCCTCCTGGCCAGAGCC
AGGTGCAGACCCCAACCGATTACGAGCCGTCGACGGAGGACCGGTCTCGG
L H V W G W L M L G S C L L A R A>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHr2____>

      110      120      130      140      150
CAGCTGGATTCTGATGGCACCATTACTATAGAGGAGCAGATTGTCCTTGT
GTGCGACCTAAGACTACCGTGGTAATGATATCTCCTCGTCTAACAGGAACA
Q L D S D G T I T I E E Q I V L V>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHr2____>

      160      170      180      190      200
GCTGAAAGCGAAAGTACAATGTGAACTCAACATCACAGCTCAACTCCAGG
CGACTTTCGCTTTCATGTTACACTTGAGTTGTAGTGTGCGAGTTGAGGTCC
L K A K V Q C E L N I T A Q L Q>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHr2____>

      210      220      230      240      250
AGGGAGAAGGTAATTGTTTCCCTGAATGGGATGGACTCATTTGTTGGCCC
TCCCTCTTCCATTAACAAAGGGACTTACCCTACCTGAGTAAACAACCGGG
E G E G N C F P E W D G L I C W P>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHr2____>

      260      270      280      290      300
AGAGGAACAGTGGGGAAAATATCGGCTGTTCCATGCCCTCCTTATATTTA
TCTCCTTGTCACCCCTTTTATAGCCGACAAGGTACGGGAGGAATATAAAT
R G T V G K I S A V P C P P Y I Y>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHr2____>

      310      320      330      340      350
TGACTTCAACCATAAAGGAGTTGCTTTCCGACACTGTAACCCCAATGGAA
ACTGAAGTTGGTATTTCTCAACGAAAGGCTGTGACATTGGGGTTACCTT
D F N H K G V A F R H C N P N G>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHr2____>

      360      370      380      390      400
CATGGGATTTTATGCACAGCTTAAATAAAACATGGGCCAATTATTCAGAC
GTACCCTAAAATACGTGTGCAATTTATTTTGTACCCGGTTAATAAGTCTG
T W D F M H S L N K T W A N Y S D>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHr2____>

      410      420      430      440      450

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TGCCTTCGCTTTCTGCAGCCAGATATCAGCATAGGAAAGCAAGAATTCTT
 ACGGAAGCGAAAGACGTCGGTCTATAGTCGTATCCTTTTCGTTCTTAAGAA
 C L R F L Q P D I S I G K Q E F F>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

460 470 480 490 500
 TGAACGCCTCTATGTAATGTATACCGTTGGCTACTCCATCTCTTTTGGTT
 ACTTGCGGAGATACATTACATATGGCAACCGATGAGGTAGAGAAAACCAA
 E R L Y V M Y T V G Y S I S F G>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

510 520 530 540 550
 CCTTGGCTGTGGCTATTCTCATCATTGGTTACTTCAGACGATTGCATTGC
 GGAACCGACACCGATAAGAGTAGTAACCAATGAAGTCTGCTAACGTAACG
 S L A V A I L I I G Y F R R L H C>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

560 570 580 590 600
 ACTAGGAACCTATATCCACATGCACTTATTTGTGTCTTTTCATGCTGAGAGC
 TGATCCTTGATATAGGTGTACGTGAATAAACACAGAAAGTACGACTCTCG
 T R N Y I H M H L F V S F M L R A>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

610 620 630 640 650
 TACAAGCATCTTTGTCAAAGACAGAGTAGTCCATGCTCACATAGGAGTAA
 ATGTTTCGTAGAAACAGTTTCTGTCTCATCAGGTACGAGTGTATCCTCATT
 T S I F V K D R V V H A H I G V>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

660 670 680 690 700
 AGGAGCTGGAGTCCCTAATAATGCAGGATGACCCACAAAATTCCATTGAG
 TCCTCGACCTCAGGGATTATTACGTCCTACTGGGTGTTTTAAGGTAACCTC
 K E L E S L I M Q D D P Q N S I E>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

710 720 730 740 750
 GCAACTTCTGTGGACAAATCACAATATATCGGGTGCAAGATTGCTGTTGT
 CGTTGAAGACACCTGTTTGTAGTTATATAGCCACGTTCTAACGACAACA
 A T S V D K S Q Y I G C K I A V V>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

760 770 780 790 800
 GATGTTTATTTACTTCCTGGCTACAAATTATTATTGGATCCTGGTGGAAG
 CTACAAATAAATGAAGGACCGATGTTTAATAATAACCTAGGACCACCTTC
 M F I Y F L A T N Y Y W I L V E>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

810 820 830 840 850
 GTCTCTACCTGCATAATCTCATCTTTGTGGCTTTCTTTTCGGACACCAAA
 CAGAGATGGACGTATTAGAGTAGAAACACCGAAAGAAAAGCCTGTGGTTT
 G L Y L H N L I F V A F F S D T K>
 ____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

860 870 880 890 900
 TACCTGTGGGGCTTCATCTTGATAGGCTGGGGGTTTCCAGCAGCATTTGT
 ATGGACACCCCGAAGTAGAACTATCCGACCCCAAGGTCGTCGTAAACA
 Y L W G F I L I G W G F P A A F V>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

910 920 930 940 950
TGCAGCATGGGCTGTGGCACGAGCAACTCTGGCTGATGCGAGGTGCTGGG
ACGTCGTACCCGACACCGTGCTCGTTGAGACCGACTACGCTCCACGACCC
A A W A V A R A T L A D A R C W>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

960 970 980 990 1000
AACTTAGTGGCTGGAGACATCAAGTGGATTTATCAAGCACCGATCTTAGCA
TTGAATCACGACCTCTGTAGTTCACCTAAATAGTTCGTGGCTAGAATCGT
E L S A G D I K W I Y Q A P I L A>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

1010 1020 1030 1040 1050
GCTATTGGGCTGAATTTTATTCTGTTTCTGAATACGGTTAGAGTTCTAGC
CGATAACCCGACTTAAAATAAGACAAAGACTTATGCCAATCTCAAGATCG
A I G L N F I L F L N T V R V L A>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

1060 1070 1080 1090 1100
TACCAAAATCTGGGAGACCAATGCAGTTGGGCATGACACAAGGAAGCAAT
ATGGTTTTAGACCCTCTGGTTACGTCAACCCGTAAGTGTGTTCTTCGTTA
T K I W E T N A V G H D T R K Q>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

1110 1120 1130 1140 1150
ACAGGAAACTGGCCAAATCGACACTGGTCCTGGTCCTAGTCTTTGGAGTG
TGTCCTTTGACCGGTTTAGCTGTGACCAGGACAGGATCAGAAACCTCAC
Y R K L A K S T L V L V L V F G V>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

1160 1170 1180 1190 1200
CATTACATCGTGTTCGTATGCCTGCCTCACTCCTTCACTGGGCTCGGGTG
GTAATGTAGCACAAAGCATACGGACGGAGTGAGGAAGTGACCCGAGCCAC
H Y I V F V C L P H S F T G L G W>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

1210 1220 1230 1240 1250
GGAGATCCGCATGCACTGTGAGCTCTTCTTCAACTCCTTTCAGGGTTTCT
CCTCTAGGCGTACGTGACACTCGAGAAGAAGTTGAGGAAAGTCCCAAAGA
E I R M H C E L F F N S F Q G F>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

1260 1270 1280 1290 1300
TTGTGTCTATCATCTACTGCTACTGCAATGGAGAGGTTTCAGGCAGAGGTG
AACACAGATAGTAGATGACGATGACGTTACCTCTCCAAGTCCGTCTCCAC
F V S I I Y C Y C N G E V Q A E V>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

1310 1320 1330 1340 1350
AAGAAGATGTGGAGTCGGTGAATCTCTCCGTGGACTGGAAAAGGACACC
TTCTTCTACACCTCAGCCACCTTAGAGAGGCACCTGACCTTTTCTGTGG
K K M W S R W N L S V D W K R T P>

___HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2___>

1360 1370 1380 1390 1400

GCCATGTGGCAGCCGCAGATGCGGCTCAGTGCTCACCACCGTGACGCACA
CGGTACACCGTCGGCGTCTACGCCGAGTCACGAGTGGTGGCACTGCGTGT
P C G S R R C G S V L T T V T H>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

1410 1420 1430 1440 1450
GCACCAGCAGCCAGTCACAGGTGGCGGCCAGCACACGCATGGTGCTTATC
CGTGGTCGTGCGTCAGTGTCCACCGCCGGTCGTGTGCGTACCACGAATAG
S T S S Q S Q V A A S T R M V L I>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

1460 1470 1480 1490 1500
TCTGGCAAAGCTGCCAAGATCGCCAGCAGACAGCCTGACAGCCACATCAC
AGACCGTTTTCGACGGTTCTAGCGGTCGTCTGTCGGAAGTGTGCGGTGTAGTG
S G K A A K I A S R Q P D S H I T>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

1510 1520 1530 1540 1550
TTTACCTGGCTATGTCTGGAGTAACTCAGAGCAGGACTGCCTGCCACACT
AAATGGACCGATACAGACCTCATTGAGTCTCGTCCTGACGGACGGTGTGA
L P G Y V W S N S E Q D C L P H>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

1560 1570 1580 1590 1600
CTTTCCACGAGGAGACCAAGGAAGATAGTGGGAGGCAGGGAGATGATATT
GAAAGGTGCTCCTCTGGTTCCTTCTATCACCTCCGTCCCTCTACTATAA
S F H E E T K E D S G R Q G D D I>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

1610 1620 1630 1640 1650
CTAATGGAGAAGCCTTCCAGGCCTATGGAATCTAACCCAGACACTGAAGG
GATTACCTCTTCGGAAGGTCCGGATACCTTAGATTGGGTCTGTGACTTCC
L M E K P S R P M E S N P D T E G>
____HUMAN PARATHYROID HORMONE RECEPTOR 2 (PTHR2____>

1660 1670 1680 1690 1700
ATGCCAAGGAGAACTGAGGATGTTCTCTGACTCGAGTCTAGAGGGCCCG
TACGGTTCCTCTTTGACTCCTACAAGAGACTGAGCTCAGATCTCCCGGC
C Q G E T E D V L *>
____HUMAN PARATHYROID HORMON____>

>PmeI
|
TTTAAAC
AAATTTG

>XhoI >XbaI >ApaI

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