

Human prostaglandin F receptor (PTGFR) in pcDNA 3.1

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                                >KpnI
                        >AflIII      >Asp7181
                |
        >NheI      >PmeI      >HindIII      >BamHI
        |         |         |         |
        |         |         |         |
        10       20       30       40       50
GCTAGCGTTTAAACTTAAGCTTGGTACCGAGCTCGGATCCACTAGTCCAG
CGATCGCAAATTTGAATTCGAACCATGGCTCGAGCCTAGGTGATCAGGTC

                                >EcoRI
        >BstXI
        |
        |
        60       70       80       90       100
TG TGGT GGAATT CACC ATGT CCAT GAACA ATTCCA AACAG CTAG TGTC TC
AC ACCAC CTTA AGTG GTAC AGGT ACTT GTTAA GGTTT GTG CGAT CAC AGAG
          M   S   M   N   N   S   K   Q   L   V   S>
          ____ HUMAN PROSTAGLANDIN F RECEPTOR ____>

        110       120       130       140       150
CTGCAGCTGCGCTTCTTTTCAAACACAACCTGCCAGACGGAAAACCGGCTT
GACGTCGACGCGAAGAAAGTTTTGTGTTGGACGGTCTGCCTTTTGGCCGAA
P A A A L L S N T T C Q T E N R L>
____ HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR____>

        160       170       180       190       200
TCCGTATTTTTTTCAGTAATCTTCATGACAGTGGGAATCTTGTCAAACAG
AGGCATAAAAAAAGTCATTAGAAGTACTGTCAACCTTAGAACAGTTTGTG
S V F F S V I F M T V G I L S N S>
____ HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR____>

        210       220       230       240       250
CCTTGCCATCGCCATTCTCATGAAGGCATATCAGAGATTTAGACAGAAGT
GGAACGGTAGCGGTAAGAGTACTTCCGTATAGTCTCTAAATCTGTCTTCA
L A I A I L M K A Y Q R F R Q K>
____ HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR____>

        260       270       280       290       300
CCAAGGCATCGTTTCTGCTTTTGGCCAGTGGCCTGGTAATCACTGATTTT
GGTTCCGTAGCAAAGACGAAAACCGGTCACCGGACCATTAGTGACTAAAG
S K A S F L L L A S G L V I T D F>
____ HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR____>

        310       320       330       340       350
TTTGGCCATCTCATCAATGGAGCCATAGCAGTATTTGTATATGCTTCTGA
AAACCGGTAGAGTAGTTACCTCGGTATCGTCATAAACATATACGAAGACT
F G H L I N G A I A V F V Y A S D>
____ HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR____>

        360       370       380       390       400
TAAAGAATGGATCCGCTTTGACCAATCAAATGTCTTTGCAGTATTTTTTG
ATTTCTTACCTAGGCGAAACTGGTTAGTTTACAGGAAACGTCATAAAAAC
K E W I R F D Q S N V L C S I F>
____ HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR____>

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410 420 430 440 450
GTATCTGCATGGTGTCTTTCTGGTCTGTGCCCCTTCTTCTAGGCAGTGTG
CATAGACGTACCACAAAAGACCAGACACGGGTGAAGAAGATCCGTCACAC
G I C M V F S G L C P L L L G S V>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

460 470 480 490 500
ATGGCCATTGAGCGGTGTATTGGAGTCACAAAACCAATATTTTATTCTAC
TACCGGTAACTCGCCACATAACCTCAGTGTTTTGGTTATAAAGTAAGATG
M A I E R C I G V T K P I F H S T>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

510 520 530 540 550
GAAAATTACATCCAAACATGTGAAAATGATGTTAAGTGGTGTGTGCTTGT
CTTTTAATGTAGGTTTGTACACTTTTACTACAATTACCACACACGAACA
K I T S K H V K M M L S G V C L>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

560 570 580 590 600
TTGCTGTTTTTCATAGCTTTTGCTGCCCATCCTTGACATCGAGACTATAAA
AACGACAAAAGTATCGAAACGACGGGTAGGAACCTGTAGCTCTGATATTT
F A V F I A L L P I L G H R D Y K>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

610 620 630 640 650
ATTCAGGCGTCGAGGACCTGGTGTCTTCTACAACACAGAAGACATCAAAGA
TAAGTCCGCAGCTCCTGGACCACAAAGATGTTGTGTCTTCTGTAGTTTCT
I Q A S R T W C F Y N T E D I K D>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

660 670 680 690 700
CTGGGAAGATAGATTTTATCTTCTACTTTTTTCTTTTCTGGGGCTCTTAG
GACCCTTCTATCTAAAATAGAAGATGAAAAAAGAAAAGACCCCGAGAATC
W E D R F Y L L L F S F L G L L>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

710 720 730 740 750
CCCTTGGTGTTCATTGTTGTGCAATGCAATCACAGGAATTACACTTTTA
GGGAACCACAAAGTAACAACACGTTACGTTAGTGTCTTAATGTGAAAAT
A L G V S L L C N A I T G I T L L>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

760 770 780 790 800
AGAGTTAAATTTAAAAGTCAGCAGCACAGACAAGGCAGATCTCATCATTT
TCTCAATTTAAATTTTCAGTCGTCGTGTCTGTTCCGTCTAGAGTAGTAAA
R V K F K S Q Q H R Q G R S H H L>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

810 820 830 840 850
GGAAATGGTAATCCAGCTCCTGGCGATAATGTGTGTCTCCTGTATTTGTT
CCTTTACCATTAGGTCGAGGACCGCTATTACACACAGAGGACATAAACAA
E M V I Q L L A I M C V S C I C>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

860 870 880 890 900
GGAGCCCATTTCTGGTTACAATGGCCAACATTGGAATAAATGGAAATCAT

CCTCGGGTAAAGACCAATGTTACCGGTTGTAACTTATTTACCTTTAGTA
W S P F L V T M A N I G I N G N H>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

910 920 930 940 950
TCTCTGGAAACCTGTGAAACAACACTTTTTGCTCTCCGAATGGCAACATG
AGAGACCTTTGGACACTTTGTTGTGAAAAACGAGAGGCTTACCGTTGTAC
S L E T C E T T L F A L R M A T W>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

960 970 980 990 1000
GAATCAAATCTTAGATCCTTGGGTATATATTCTTCTACGAAAGGCTGTCC
CTTAGTTTAGAATCTAGGAACCCATATATAAGAAGATGCTTTCCGACAGG
N Q I L D P W V Y I L L R K A V>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

1010 1020 1030 1040 1050
TTAAGAATCTCTATAAGCTTGCCAGTCAATGCTGTGGAGTGCATGTCATC
AATTCTTAGAGATATTCGAACGGTCAGTTACGACACCTCACGTACAGTAG
L K N L Y K L A S Q C C G V H V I>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

1060 1070 1080 1090 1100
AGCTTACATATTTGGGAGCTTAGTTCCATTAAAAATTCCTTAAAGGTTGC
TCGAATGTATAAACCTCGAATCAAGGTAATTTTAAAGGAATTTCCAACG
S L H I W E L S S I K N S L K V A>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (PTGFR___>

>XhoI
|
1110 1120 1130 1140 1150
TGCTATTTCTGAGTCACCGAGTTGCAGAGAAATCAGCAAGCACCTAGCTCG
ACGATAAAGACTCAGTGGTCAACGTCTCTTTAGTCGTTTCGTGGATCGAGC
A I S E S P V A E K S A S T *>
___HUMAN PROSTAGLANDIN F RECEPTOR (FP) (P___>

>PmeI
|
>XbaI >ApaI
| |
1160 1170
AGTCTAGAGGGCCCGTTTAAAC
TCAGATCTCCCGGCAAATTTG