

Human oxytocin receptor (OXTR) 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
TGTGGTGGAATTCACCATGGAGGGCGCGCTCGCAGCCAACTGGAGCGCCG
ACACCACCTTAAGTGGTACCTCCCGCGCGAGCGTCGGTTGACCTCGCGGC
        M E G A L A A N W S A>
        _____HUMAN OXYTOCIN RECEPTOR (OX____>

                110        120        130        140        150
AGGCAGCCAACGCCAGCGCCGCGCCCGGGGGCCGAGGGCAACCGCACC
TCCGTCGGTTGCGGTGCGGGCGCGGGCGCCCCCGGCTCCCGTTGGCGTGG
E A A N A S A A P P G A E G N R T>
        _____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

                160        170        180        190        200
GCCGACCCCCGCGGCGCAACGAGGCCCTGGCGCGCGTGGAGGTGGCGGT
CGGCCTGGGGGCGCCGCGTTGCTCCGGGACCGCGGCACCTCCACGCCA
A G P P R R N E A L A R V E V A V>
        _____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

                210        220        230        240        250
GCTGTGTCTCATCCTGCTCCTGGCGCTGAGCGGGAACGCGTGTGTGCTGC
CGACACAGAGTAGGACGAGGACCGCGACTCGCCCTTGCGCACACACGACG
L C L I L L L A L S G N A C V L>
        _____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

                260        270        280        290        300
TGGCGCTGCGCACACACGCCAGAAGCACTCGCGCCTCTTCTTCTTCATG
ACCGCGACGCGTGGTGTGCGGTCTTCGTGAGCGCGGAGAAGAAGAAGTAC
L A L R T T R Q K H S R L F F F M>
        _____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

                310        320        330        340        350
AAGCACCTAAGCATCGCCGACCTGGTGGTGGCAGTGTTTCAGGTGCTGCC
TTCGTGGATTCTAGCGGCTGGACCACCACCGTCACAAAGTCCACGACGG
K H L S I A D L V V A V F Q V L P>
        _____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

                360        370        380        390        400
GCAGTTGCTGTGGGACATCACCTTCCGCTTCTACGGGCCCCGACCTGCTGT
CGTCAACGACACCCTGTAGTGGAAGGCGAAGATGCCCCGGGCTGGACGACA
Q L L W D I T F R F Y G P D L L>
        _____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

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      410      420      430      440      450
GCCGCCTGGTCAAGTACTTGCAGGTGGTGGGCATGTTTCGCCTCCACCTAC
CGGCGGACCAGTTTCATGAACGTCCACCACCCGTACAAGCGGAGGTGGATG
C R L V K Y L Q V V G M F A S T Y>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      460      470      480      490      500
CTGCTGCTGCTCATGTCCCTGGACCGCTGCCTGGCCATCTGCCAGCCGCT
GACGACGACGAGTACAGGGACCTGGCGACGGACCGGTAGACGGTCGGCGA
L L L L M S L D R C L A I C Q P L>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      510      520      530      540      550
GCGCTCGCTGCGCCGCCGCACCGACCGCCTGGCAGTGCTCGCCACGTGGC
CGCGAGCGACGCGGCGGCGTGGCTGGCGGACCGTCACGAGCGGTGCACCG
R S L R R R T D R L A V L A T W>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      560      570      580      590      600
TCGGCTGCCTGGTGGCCAGCGCGCCGCAGGTGCACATCTTCTCTCTGCGC
AGCCGACGGACCACCGGTTCGCGCGGCGTCCACGTGTAGAAGAGAGACGCG
L G C L V A S A P Q V H I F S L R>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      610      620      630      640      650
GAGGTGGCTGACGGCGTCTTCGACTGCTGGGCCGTCTTCATCCAGCCCTG
CTCCACCGACTGCCGCAGAAGCTGACGACCCGGCAGAAGTAGGTCGGGAC
E V A D G V F D C W A V F I Q P W>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      660      670      680      690      700
GGGACCCAAGGCCTACATCACATGGATCACGCTAGCTGTCTACATCGTGC
CCCTGGGTTCCGGATGTAGTGACCTAGTGCGATCGACAGATGTAGCACG
G P K A Y I T W I T L A V Y I V>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      710      720      730      740      750
CGGTCATCGTGCTCGCTACCTGCTACGGCCTTATCAGCTTCAAGATCTGG
GCCAGTAGCACGAGCGATGGACGATGCCGGAATAGTCGAAGTTCTAGACC
P V I V L A T C Y G L I S F K I W>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      760      770      780      790      800
CAGAACTTGCGGCTCAAGACCGCTGCAGCGGCGGCGGCCGAGGCGCCAGA
GTCTTGAACGCCGAGTTCTGGCGACGTCGCCGCCGCGGCTCCGCGGTCT
Q N L R L K T A A A A A A A E A P E>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      810      820      830      840      850
GGGCGCGGCGGCTGGCGATGGGGGGCGCGTGGCCCTGGCGCGTGTCAGCA
CCC GCGCCGCCGACCGCTACCCCCCGCGCACCGGGACCGCGCACAGTCGT
G A A A G D G G R V A L A R V S>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

      860      870      880      890      900
GCGTCAAGCTCATCTCCAAGGCCAAGATCCGCACGGTCAAGATGACTTTC

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CGCAGTTCGAGTAGAGGTTCCGGTTCTAGGCGTGCCAGTTCTACTGAAAG
S V K L I S K A K I R T V K M T F>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

910 920 930 940 950
ATCATCGTGCTGGCCTTCATCGTGTGCTGGACGCCTTTCTTCTTCGTGCA
TAGTAGCACGACCGGAAGTAGCACACGACCTGCGGAAAGAAGAAGCACGT
I I V L A F I V C W T P F F F V Q>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

960 970 980 990 1000
GATGTGGAGCGTCTGGGATGCCAACGCGCCCAAGGAAGCCTCGGCCTTCA
CTACACCTCGCAGACCCTACGGTTGCGCGGGTTCCTTCGGAGCCGGAAGT
M W S V W D A N A P K E A S A F>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

1010 1020 1030 1040 1050
TCATCGTCATGCTCCTGGCCAGCCTCAACAGCTGCTGCAACCCCTGGATC
AGTAGCAGTACGAGGACCGGTGCGAGTTGTGACGACGTTGGGGACCTAG
I I V M L L A S L N S C C N P W I>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

1060 1070 1080 1090 1100
TACATGCTGTTACGGGCCACCTCTTCCACGAACTCGTGACGCGCTTCCT
ATGTACGACAAGTGCCCGGTGGAGAAGGTGCTTGAGCACGTGCGGAAGGA
Y M L F T G H L F H E L V Q R F L>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

1110 1120 1130 1140 1150
GTGCTGCTCCGCCAGCTACCTGAAGGGCAGACGCCTGGGAGAGACGAGTG
CACGACGAGGCGGTGCGATGGACTTCCCGTCTGCGGACCCTCTCTGCTCAC
C C S A S Y L K G R R L G E T S>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

1160 1170 1180 1190 1200
CCAGCAAAAAGAGCAACTCGTCCTCCTTTGTCCTGAGCCATCGCAGCTCC
GGTCGTTTTTCTCGTTGAGCAGGAGGAAACAGGACTCGGTAGCGTCGAGG
A S K K S N S S S F V L S H R S S>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

1210 1220 1230 1240 1250
AGCCAGAGGAGCTGCTCCCAGCCATCCACGGCGTGACTCGAGTCTAGAGG
TCGGTCTCCTCGACGAGGGTCGGTAGGTGCCGCACTGAGCTCAGATCTCC
S Q R S C S Q P S T A *>
_____HUMAN OXYTOCIN RECEPTOR (OXTR)_____>

>PmeI
|
>ApaI |
| |
| 1260
GCCCGTTTAAAC
CGGGCAAATTTG