

Specifications:

Gene:	h5-HT6
Accession:	NP_000862
Insert size:	1336bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

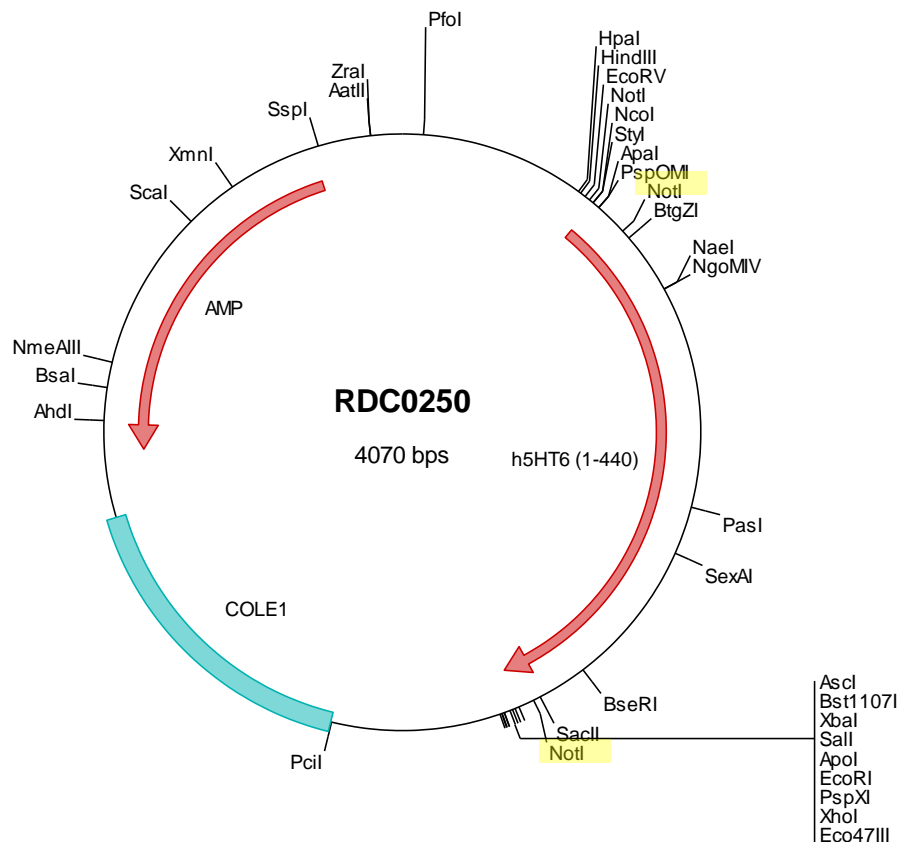
h5-HT6 cDNA Plasmid

HTR6 5-hydroxytryptamine (serotonin) receptor 6, G protein-coupled [*Homo sapiens*]

Also known as: 5-HTR6; 5-HT6R

Summary:

5-HT6 is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. It belongs to the G protein-coupled receptor 1 family. 5-HT6 is expressed in several human brain regions, most prominently in the caudate nucleus. The activity of 5-HT6 is mediated by G proteins that stimulate adenylate cyclase. 5-HT6 has a high affinity for tricyclic psychotropic drugs.



Caution! Internal NotI sites in this gene.

FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0250 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gacgctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcctat
301 tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgcacc atggtcccag agccggggccc aaccgccaat agcaccocgg cctggggggc
501 agggcgcggc tggcccccgg ggggcaagcg ctgggtggcg gcccgcgtgt gegtgtcoat cgcgctgacg gggcgggcca actcgtctgt gatcgctc
601 atctgcaact agccocgctc gcgcaaacag tccaaactct tcoctggtgc gctcttcaag tetgactga tgggtggggt ggtggtgatg ccgcccggca
701 tgctgaaacg gctgtacggg cgttgggtgc tggcgcggcg cctctgcctg ccttgaccg ccttcgacgt gatgtgtctg agcgcctoca tctcaacct
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1201 gacagcaggc gtctagccac gaagcacagc aggaaggccc tgaaggccag cctgacgctg gccatcctgc tgggcatgtt ctttgtgacc tggttgccct
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1501 ccatcaactg gcacctctca cagcggcccc cggccccggc ttagcctaca gcaggtgctg ccgctgcccc tgcccggga ctcagatctg gactcagacg
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1901 atacgagccg gaagcataaa gtgtaaagcc tgggggtcct aatgagttag ctaactcaca ttaattgctg tgcgtcact gcccgcttc cagtccggaa
2001 acctgtcgtg ccagtctgat taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta ttgggcgctc tcccgctcc tcgctcactg actcgtcgcg
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2201 aaaggccagc aaaaggccag gaaccgtaaa aaggcccgct tgctggcggt tttccatagg ctccgcccc ctgacgagca tcaaaaaat cgacgtcaca
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2501 tgtgtgcacg aacccccctg tcagcccagc cgtcgcctt tatccggtaa ctatcgtctt gactccaacc cggtaagaca cgacttatcg ccactggcag
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3401 acatgatccc ccatgttctg caaaaaagcg gtagctcct tcggtctctc gatcgttctc agaagtaagt tggcccgagt gttatcattg atggttatgg
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3601 accgagttgc tcttgcccgg cgtcaatacg gcgcccata gcgacaactt aaaaagtctc atcattggaa aacgtttctt cggggcgaaaa
3701 ctctcaagga tcttaccgct gttgagatcc agttcagatg aaccocactg tgaocccaac tgatcttcaag catcttttac tttaccagc gtttctgggt
3801 gagcaaaaaac aggaagycaa attgccgcaa aaaaagggaat aaggggcaca cggaaatggt gaatactcat actcttctt tttcaatatt attgaagcat
3901 ttatcagggt tattgtctca tgagcggata catattttaa tgtatttaga aaaaataaca aatagggggt ccgcgccat tttcccgaat agtgccacct
4001 gacgtctaag aaaccattat tatcatgaca ttaacctata aaaaataggc tatcacgagg cctttctgct

> RDC0250 Translated Insert Sequence

1 mvpepgptan stpawgagpp sapggsgwva aalcvvalt aaansllial ictqpalrnt snfflvslft sdlmvglvum ppamlnalyg rwlarglcl
101 lwtafdvmcc sasilnclli sldryllils ptryklrmtpl lralalvlga wslaaasfl plllgwhelg harppvpggc rllaslpfv lvasglftfflp
201 sgaicfityr illaarkqav qvaslttgma sqasetlqvp rtrprgvesa dsrrlatkhs rkalkasltl gillgmffvt wlpffvaniv qavcdcispg
301 lfdvltwly cnstmnpiiy plfmrdfkra lgrflpcprc prerqaslas pslrtsmsgp rpglslqqvl plplpdsds dsdagsggss glrltaqlll
401 pgeatqdppl ptraaaavnf fnidpaepel rphplgipn