

Specifications:

Gene:	h5-HT3D
Accession:	NP_001157118
Insert size:	1378bp
Concentration:	10µg at 0.2µg/µL

h5-HT3D cDNA Plasmid

HTR3D 5-hydroxytryptamine (serotonin) receptor 3D, ionotropic [*Homo sapiens*]

Also known as: 5HT3D

Summary:

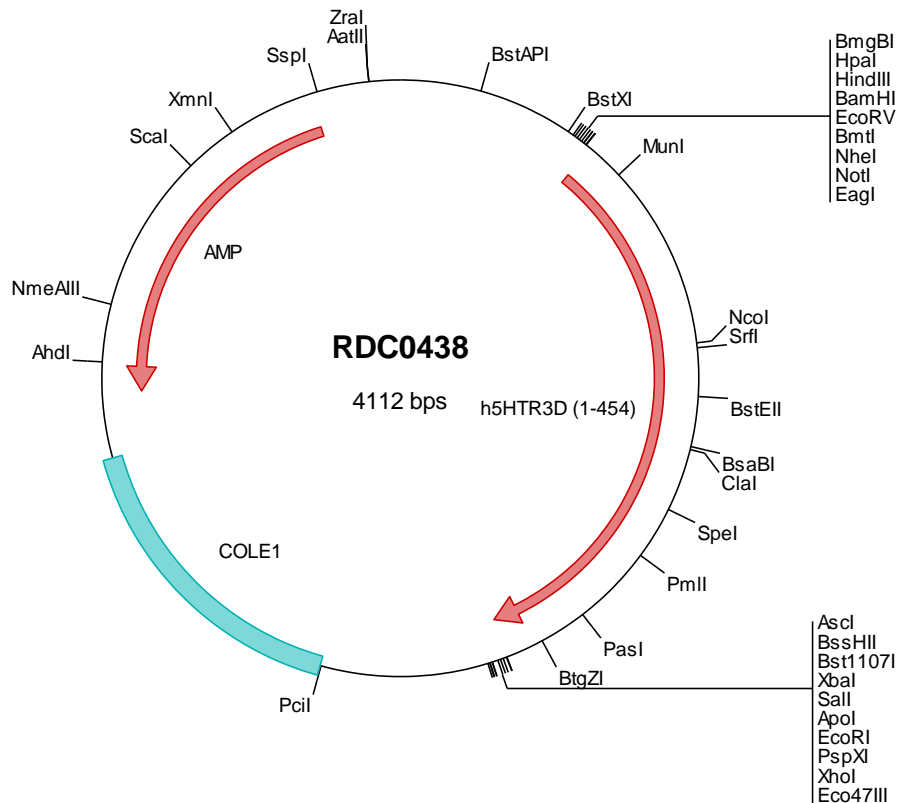
5-HT3D belongs to the ligand-gated ion channel receptor superfamily. It encodes subunit D of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a mitogen and a hormone. This hormone has been linked to neuropsychiatric disorders, including anxiety, depression, and migraine. Serotonin receptors cause fast and depolarizing responses in neurons following activation. Alternatively spliced transcript variants encoding different isoforms have been found for 5-HT3D.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0438 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttccagctc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggcccacc atgcagaaac actctccagg cccccagcc ctggccctcc tctctcagtc
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2001 cattaattgc gttgcgctca ctgcccgtt tccagtcggg aaacctgtgc tgccagctgc ataatgaat cggccaacgc gccgggagag gccggttgcg
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4101 ggcccttctg tc

> RDC0438 Translated Insert Sequence

1 mqkhsppppa lallsqslt tngndtliin cpqfghrvd paafqavfdr kaigpvtnys vathvnisft lsaiwncysr ihtfnchhar pwhnqfvqwn
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201 qkrtikvtva tnqyeqaihf vairrrcrps pyvvnflvps giliaidals fylplesgnc apfkmtvllg ysvfllmmd llpatstssh aslvapialm
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401 gsewtraqre heaqkqhsve lwwqfshamd allfrlyllf massiitvic lwnt