

Specifications:

Gene:	<i>h5-HT3C</i>
Accession:	NP_570126
Insert size:	1357bp
Concentration:	10µg at 0.2µg/µL

h5-HT3C cDNA Plasmid

HTR3C 5-hydroxytryptamine (serotonin) receptor 3C, ionotropic [*Homo sapiens*]

Also known as: HTR3C

Summary:

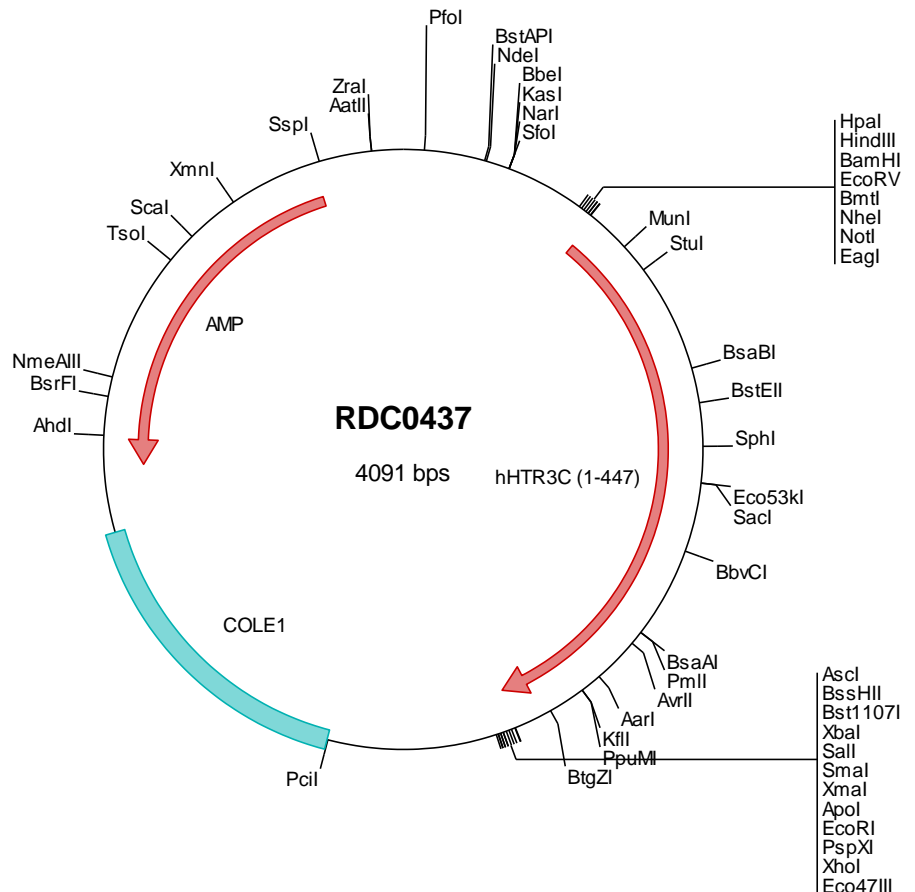
5-HT3C belongs to the ligand-gated ion channel receptor superfamily. It encodes subunit C of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, hormone, and mitogen. This receptor causes fast, depolarizing responses in neurons after activation. 5-HT3C, 5-HT3D, and 5-HT3E subunits are coexpressed with 5-HT3A in cell bodies of myenteric neurons.

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.





> RDC0437 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tetgtagcgc gggcgcacc atggaaggag ggtggcctgc aaggcagagt gccctcctct gcctcaactgt
501 cagtctctgc ctcaaggaa gaggcgacgc tttaccatc aattgctcag gcttgacca gcattggggtt gacctgctg tctccaagc agtgtttgac
601 agaaaggcct tccgtcoatt caccactac agcatcccta cccgtgtcaa catctcttc acctgtctg ccactctggg agtggatgca cagctccagc
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> RDC0437 Translated Insert Sequence

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201 itdtsrkvig tqgewellgi nkatpkmsmg nnlydqimfy vairrrpsly iinllvpsff lvaidsfsy lpaesenrap fkitllllyn vflmmndll
301 pasgtplisv yfalclslmv vsllctvfit yllhvattqp ppmprwlhsl llhctspgrc optapqgnk glgltlthlp gpkepgelag kklgpretep
401 dggsgwktq lmelwvqfsh amdllfrly llfmassilt vivlwnt