

### Specifications:

Gene:	<i>h5-HT4</i>
Accession:	NP_000861
Insert size:	1180bp
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.

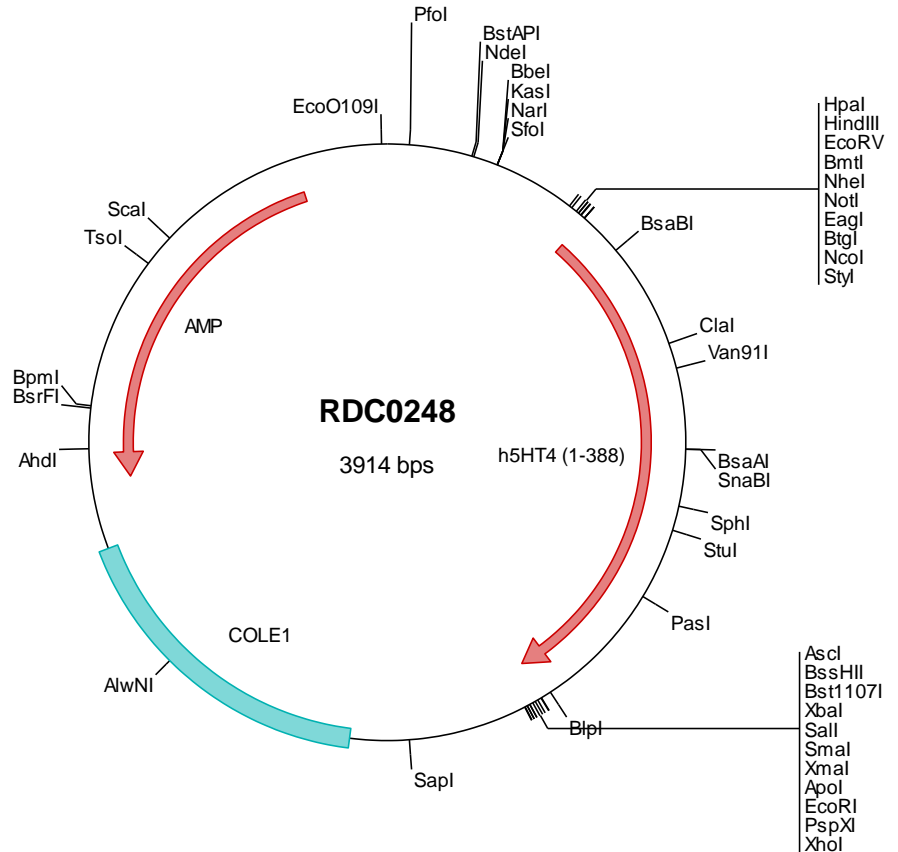
## h5-HT4 cDNA Plasmid

**HTR4 5-hydroxytryptamine (serotonin) receptor 4, G protein-coupled [ *Homo sapiens* ]**

**Also known as:** 5-HT4; 5-HT4R

### Summary:

5-HT4 is a member of the family of serotonin receptors, which are G protein-coupled receptors that stimulate cAMP production in response to serotonin. 5-HT4 is expressed in the brain, gastrointestinal tract, bladder, vascular endothelial cells, atrium, kidney, and adrenal gland. 5-HT4 is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. It is involved in the regulation of learning, memory, anxiety, smooth muscle contraction, and adrenal corticosteroid secretion.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0248 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggccagt ggcgaaagg ggaatgtctg caaggcgatt aagtgggta acggcagggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
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3901 gaggcccttt cgtc

> RDC0248 Translated Insert Sequence

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301 gyinsglnpf lyaflnksfr rafliilcccd deryrpsil gqtvpstctt ingsthwlrd aveccggwes qchppatspl vaagpsdt