

Specifications:

Gene:	h5-HT1A
Accession:	NP_000515
Insert size:	1282bp
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.

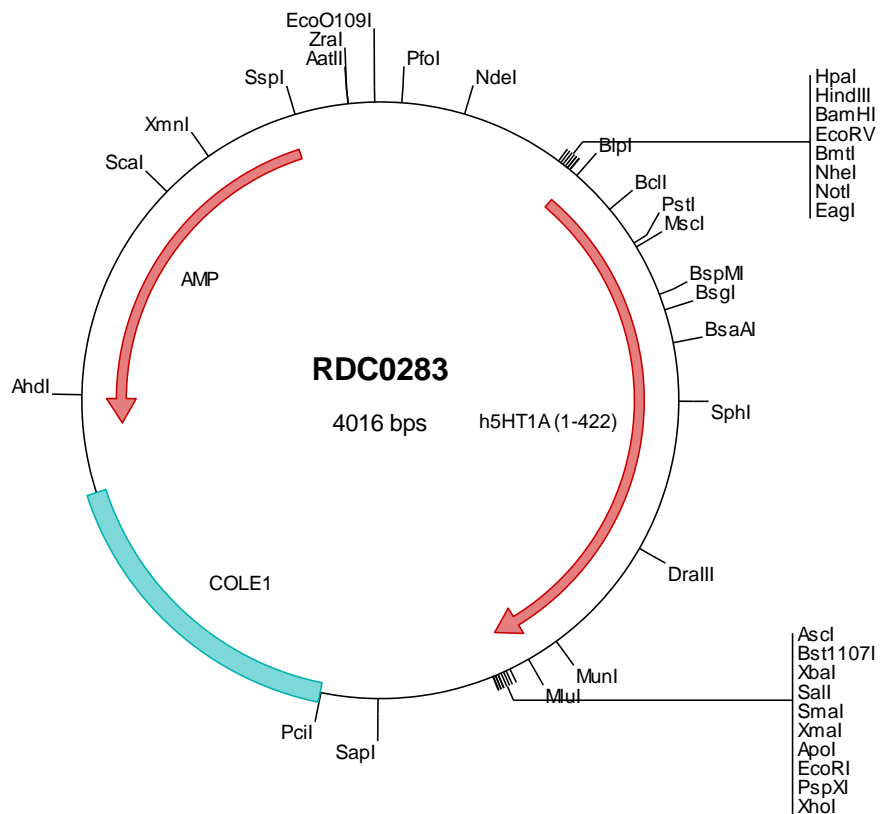
h5-HT1A cDNA Plasmid

HTR1A 5-hydroxytryptamine (serotonin) receptor 1A, G protein-coupled [*Homo sapiens*]

Also known as: G-21; 5HT1a; 5-HT1A; 5-HT-1A; ADRBRL1; ADRB2RL1

Summary:

5-HT1A is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. Serotonin(1A) receptors, including 5-HT1A, belong to the family of G protein-coupled receptors and are implicated in the generation and modulation of various cognitive, behavioral and developmental functions. A relationship between 5-HT1A receptors and serotonin transporter (5-HTT) is also suggested by the pathophysiology of depression and the mechanism of action of antidepressants.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0283 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcattt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggcgcgccacc atggatgtgc tcagccctgg tcaggggcaac aacaccacat caccacgggc
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1201 aagaagagtg tgaatggaga gtccggggagc aggaactgga ggctgggctg ggagagcaag gctgggggtg ctctgtgctg caatggcgcg gtgaggcaag
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4001 acgagccctc ttcgctc

> RDC0283 Translated Insert Sequence

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201 fgafyiplll mlvlygrifr aarfrirktv kkvektgad rhgaspapq kksvngesgs rnwrlgvesk aggalcanga vrqddgaal evievhrvgn
301 skehlplpse agptpcapas ferknerae akrkmalare rktvktlgii mgtfilcwlpl ffivalvlpf cesschmptl lgainwlgys snslilnpvii
401 ayfnkdfqna fkkiikckfc rq