

Specifications:

Gene:	hHRH2
Accession:	NP_001124527
Insert size:	1207bp
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.

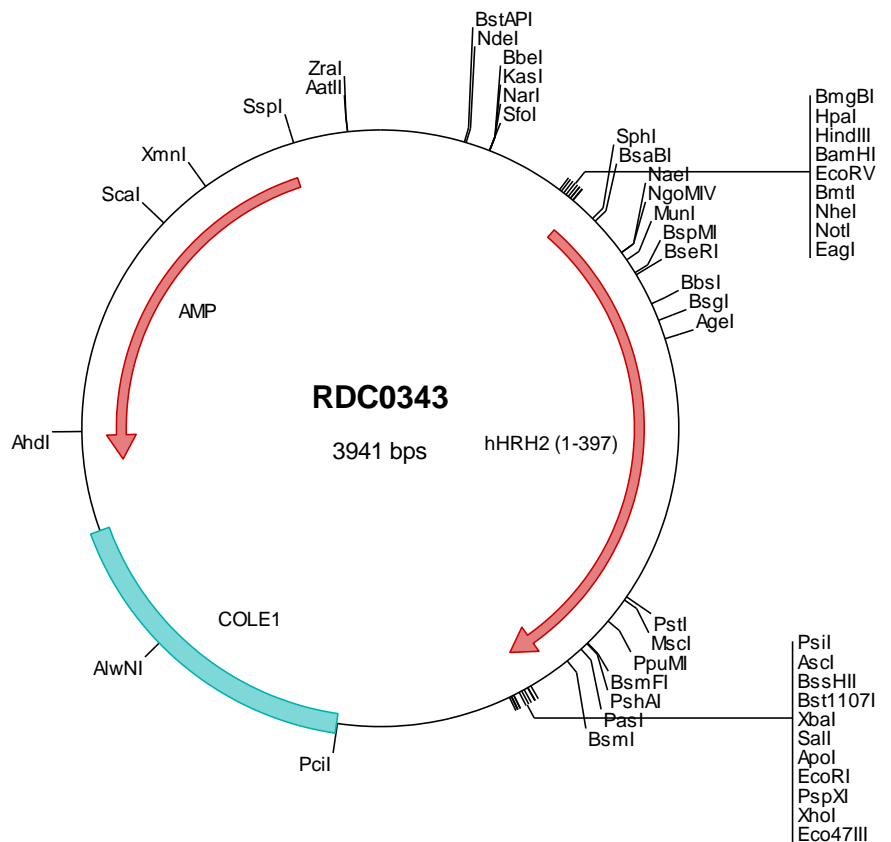
hHistamine H2R cDNA Plasmid

HRH2 histamine receptor H2
[*Homo sapiens*]

Also known as: H2R

Summary:

Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. HRH2 belongs to the family 1 of G protein-coupled receptors. HRH2 is an integral membrane protein and stimulates gastric acid secretion. It also regulates gastrointestinal motility and intestinal secretion and is thought to be involved in regulating cell growth and differentiation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0343 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc ggtgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttcccgatc acgacgttg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcaacca atggcaacgc ctcttcttt tgctggact ctaccgactg
501 caagatcacc atcaccgttg tcttgcgggt cctcaatcctc atcaccgttg ctggcaatgt ggtcgtctgt ctggccgtgg gcttgaaccg ccggtccgc
601 aacctgacca attgtttcat cgtgtccttg gctatcactg aactgctctc oggctcctg gtgtgcctc tctctgcaat ctaccagtg tctgcaagt
701 ggagctttgg caaggtcttc tgcaatatct acaccagcct ggatgtgatg ctctgcacag cctccattct taacctcttc atgatcagcc tcgaccggtg
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1701 ctagcttggc gtaatcatgg tcatagctgt ttctgtgtg aaattgttat ccgctcacia tccacacaaa catacagacc ggaagcataa agtgaaaagc
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1901 ggccaacgcg cggggagagg cggtttgcgt attggggcct cttccgcttc ctgctcaact gactcgtctg gctcggctct tcggtctcgg cgagcgggat
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3901 ataacctat aaaaatagc gtatcacgag gccctttctg c

> RDC0343 Translated Insert Sequence

1 mapngtassf cldstackit itvvlavlll itvagnvvc lavlnrrlr nltncfivsl aيتدللglل vlpfsaiyql scxwsgkxvf cniytsldvm
101 lctasilnlf misldrycav mdplrypvlv tprvrailsv liwvisitls flsihlgnws rnetskgnht tsckckqvne vyglvdglvt fylpplimci
201 tyyrifkvar dqakrinhs swkaatireh katvtlaavm gafiiwfpj ftafvyrglr gddainevle aivlwlgyan salnpilyaa lnrdfrtgyq
301 qlfcccrlanr nshktslrns asqlsrqtqr epqrqeeekpl klqvwstgev tapggatdrp wlclpewsv elthsfihlf ihsfanihpi pttcql