*h*Histamine H2R VersaClone cDNA

Catalog Number: RDC0343

Specifications:

Gene:	*h*HRH2
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

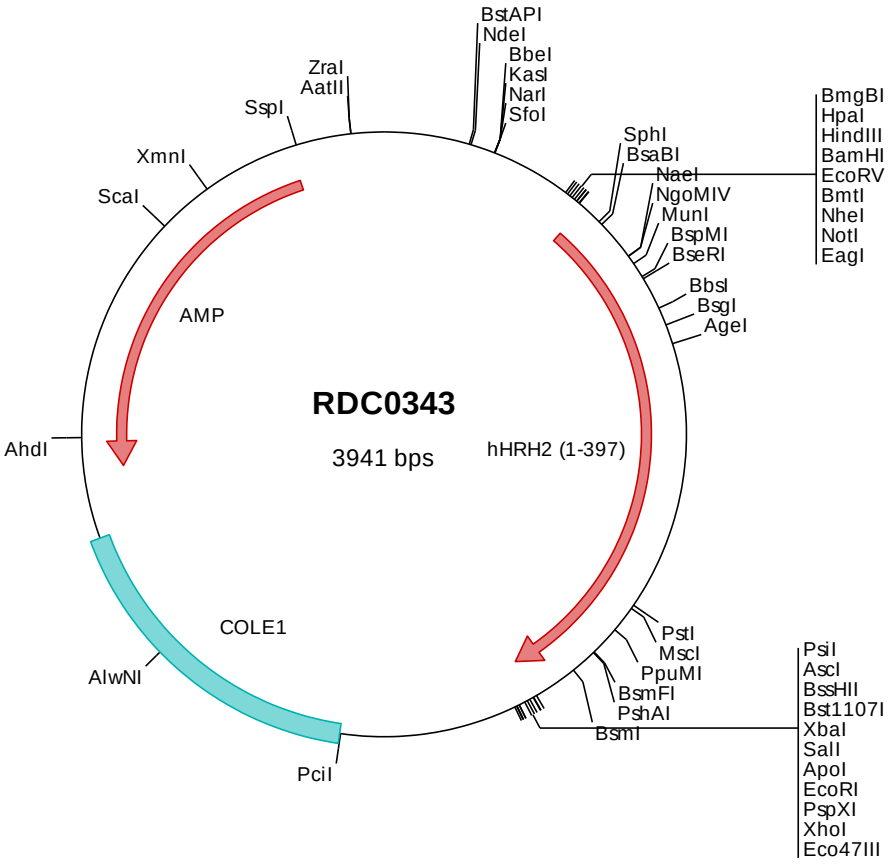
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Histamine 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

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcaccca atggcacagc ctcttccttt tgcctggact ctaccgcatg
 501  caagatcacc atcaccgtgg tccttgcggt cctcatcctc atcaccgttg ctggcaatgt ggtcgtctgt ctggccgtgg gcttgaaccg ccggctccgc
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 701  ggagctttgg caaggtcttc tgcaatatct acaccagcct ggatgtgatg ctctgcacag cctccattct taacctcttc atgatcagcc tcgaccggta
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 901  tttctgtcta tccacctggg gtggaacagc aggaacgaga ccagcaaggg caatcatacc acctctaagt gcaaagtcca ggtcaatgaa gtgtacgggc
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1101  tcacattagc tcctggaagg cagccaccat cagggagcac aaagccacag tgacactggc cgccgtcatg ggggccttca tcatctgctg gtttccctac
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1701  ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat ccgctcacaa ttccacacaa catacgagcc ggaagcataa agtgtaaagc
1801  ctggggtgcc taatgagtga gctaactcac attaattgcg ttgcgctcac tgcccgcttt ccagtcggga aacctgtcgt gccagctgca ttaatgaatc
1901  ggccaacgcg cggggagagg cggtttgcgt attgggcgct cttccgcttc ctcgctcact gactcgctgc gctcggtcgt tcggctgcgg cgagcggtat
2001  cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac gcaggaaaga acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa
2101  aaaggccgcg ttgctggcgt ttttccatag gctccgcccc cctgacgagc atcacaaaaa tcgacgctca agtcagaggt ggcgaaaccc gacaggacta
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2901  aggcacctat ctcagcgatc tgtctatttc gttcatccat agttgcctga ctccccgtcg tgtagataac tacgatacgg gagggcttac catctggccc
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3801  acatatttga atgtatttag aaaaataaac aaatagggggt tccgcgcaca tttccccgaa aagtgccacc tgacgtctaa gaaaccatta ttatcatgac
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> RDC0343 Translated Insert Sequence

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 201  tyyrifkvar dqakrinhis swkaatireh katvtlaavm gafiicwfpy ftafvyrglr gddainevle aivlwlgyan salnpilyaa lnrdfrtgyq
 301  qlfccrlanr nshktslrsn asqlsrtqsr eprqqeekpl klqvwsgtev tapqgatdrp wlclpecwsv elthsfihlf ihsfanihpi pttcqel
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