*h*Histamine H4R VersaClone cDNA

Catalog Number: RDC0345

Specifications:

Gene:	*h*HRH4
Accession:	NP_067637
Insert size:	1186bp
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

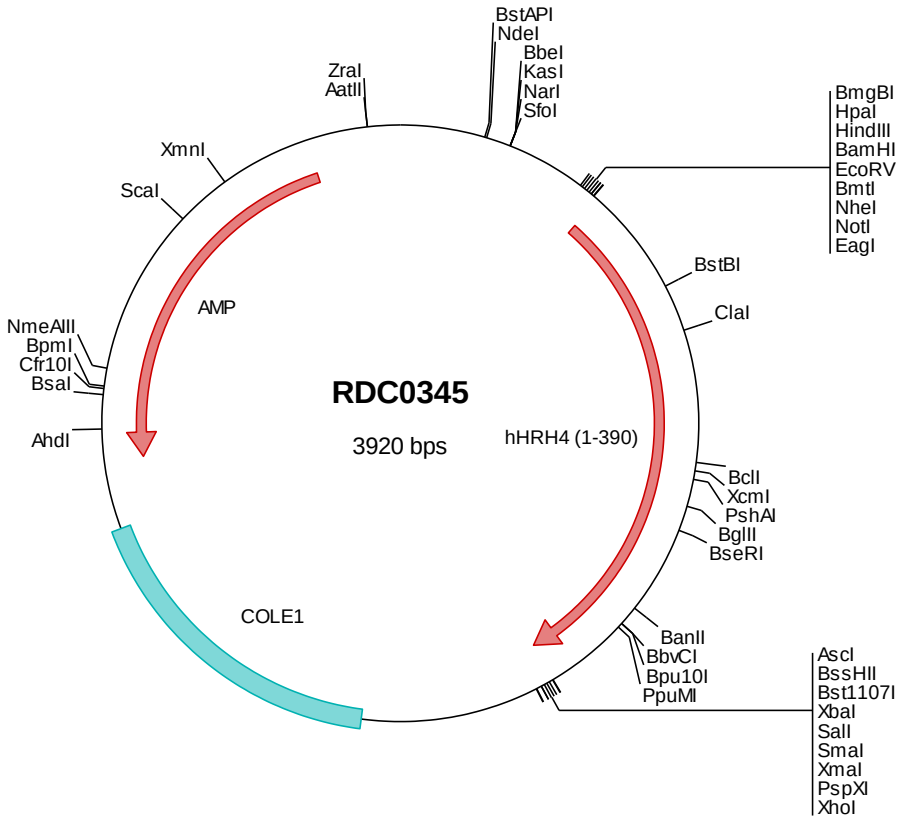
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Histamine H4R cDNA Plasmid

HRH4 histamine receptor H4
[*Homo sapiens*]

Also known as: H4; H4R; BG26; HH4R; AXOR35; GPRv53; GPCR105; MGC133027

Summary:
Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by a family of histamine receptors, which are a subset of the G protein-coupled receptor superfamily. HRH4 is a histamine receptor that is predominantly expressed in haematopoietic cells. HRH4 is a histamine receptor that is thought to play a role in inflammation and allergy reponses.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0345 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 atgccagata ctaatagcac aatcaattta tcactaagca ctcgtgttac
 501  tttagcattt tttatgtcct tagtagcttt tgctataatg ctaggaaatg ctttggtcat tttagctttt gtggtggaca aaaaccttag acatcgaagt
 601  agttatttttt ttcttaactt ggccatctct gacttctttg tgggtgtgat ctccattcct ttgtacatcc ctcacacgct gttcgaatgg gattttggaa
 701  aggaaatctg tgtattttgg ctcactactg actatctgtt atgtacagca tctgtatata acattgtcct catcagctat gatcgatacc tgtcagtctc
 801  aaatgctgtg tcttatagaa ctcaacatac tggggtcttg aagattgtta ctctgatggt ggccgtttgg gtgctggcct tcttagtgaa tgggccaatg
 901  attctagttt cagagtcttg gaaggatgaa ggtagtgaat gtgaacctgg atttttttcg gaatggtaca tccttgccat cacatcattc ttggaattcg
1001  tgatcccagt catcttagtc gcttatttca acatgaatat ttattggagc ctgtggaagc gtgatcatct cagtaggtgc caaagccatc ctggactgac
1101  tgctgtctct tccaacatct gtggacactc attcagaggt agactatctt caaggagatc tctttctgca tcgacagaag ttcctgcatc ctttcattca
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1301  ctgtagctct tcaccaaagg gaacatgttg aactgcttag agccaggaga ttagccaagt cactggccat tctcttaggg gtttttgctg tttgctgggc
1401  tccatattct ctgttcacaa ttgtcctttc attttattcc tcagcaacag gtcctaaatc agtttggtat agaattgcat tttggcttca gtggttcaat
1501  tcctttgtca atcctctttt gtatccattg tgtcacaagc gctttcaaaa ggctttcttg aaaatatttt gtataaaaaa gcaacctcta ccatcacaac
1601  acagtcggtc agtatcttct taaaggcgcg ccagtatact ctagagtcga cacccgggga attcctcgag cgctcgtctc tagcttggcg taatcatggt
1701  catagctgtt tcctgtgtga aattgttatc cgctcacaat tccacacaac atacgagccg gaagcataaa gtgtaaagcc tggggtgcct aatgagtgag
1801  ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggc
1901  ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt cggctgcggc gagcggtatc agctcactca aaggcggtaa
2001  tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt tgctggcgtt
2101  tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg acaggactat aaagatacca ggcgtttccc
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2301  cacgctgtag gtatctcagt tcggtgtagg tcgttcgctc caagctgggc tgtgtgcacg aacccccgt tcagcccgac cgctgcgcct tatccggtaa
2401  ctatcgtctt gagtccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga ggtatgtagg cggtgctaca
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2601  gctcttgatc cggcaaacaa accaccgctg gtagcggtgg ttttttttgtt tgcaagcagc agattacgcg cagaaaaaaa ggatctcaag aagatccttt
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2901  gtctatttcg ttcatccata gttgcctgac tccccgtcgt gtagataact acgatacggg agggcttacc atctggcccc agtgctgcaa tgataccgcg
3001  agacccacgc tcaccggctc cagatttatc agcaataaac cagccagccg gaagggccga gcgcagaagt ggtcctgcaa ctttatccgc ctccatccag
3101  tctattaatt gttgccggga agctagagta agtagttcgc cagttaatag tttgcgcaac gttgttgcca ttgctacagg catcgtggtg tcacgctcgt
3201  cgtttggtat ggcttcattc agctccggtt cccaacgatc aaggcgagtt acatgatccc ccatgttgtg caaaaaagcg gttagctcct tcggtcctcc
3301  gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg cagcactgca taattctctt actgtcatgc catccgtaag atgcttttct
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3501  gcagaacttt aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc agttcgatgt aacccactcg
3601  tgcacccaac tgatcttcag catcttttac tttcaccagc gtttctgggt gagcaaaaac aggaaggcaa aatgccgcaa aaaagggaat aagggcgaca
3701  cggaaatgtt gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata catatttgaa tgtatttaga
3801  aaaataaaca aatagggttc ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata aaaataggcg
3901  tatcacgagg ccctttcgtc
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> RDC0345 Translated Insert Sequence

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 101  svynivlisy drylsvsnav syrtqhtgvl kivtlmvavw vlaflvngpm ilvseswkde gsecepgffs ewyilaitsf lefvipvilv ayfnmniyws
 201  lwkrdhlsrc qshpgltavs snicghsfrg rlssrrslsa stevpasfhs erqrrksslm fssrtkmnsn tiaskmgsfs qsdsvalhqr ehvellrarr
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