

## Specifications:

Gene:	mHRH2
Accession:	NP_032312
Insert size:	1090bp
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.

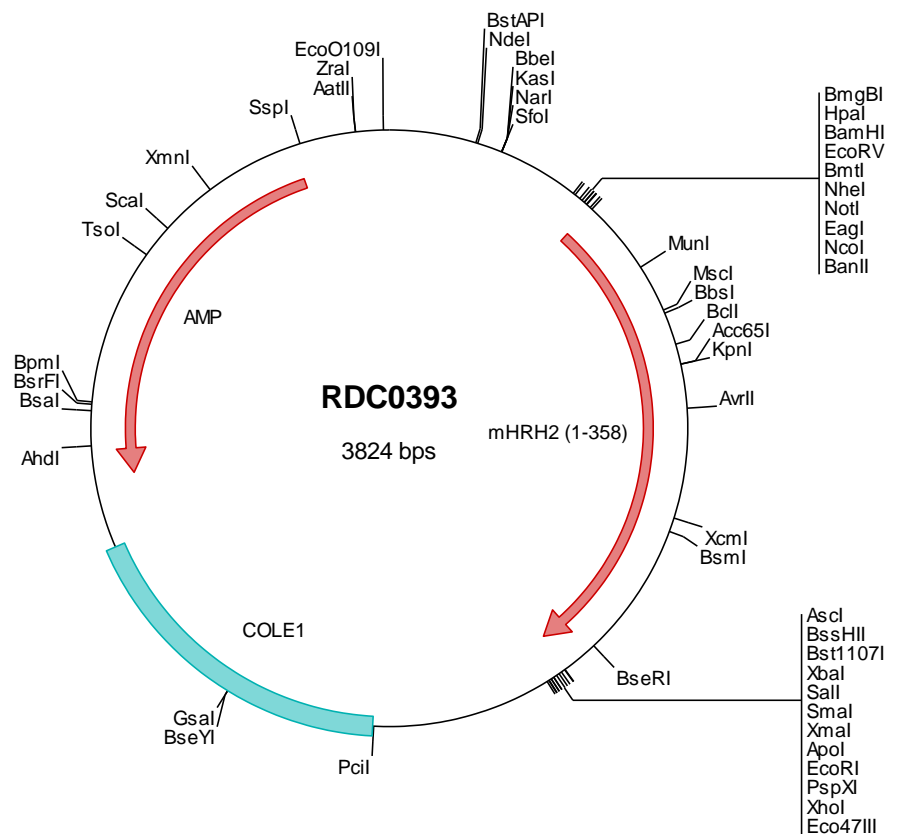
## mHistamine H2R cDNA Plasmid

### Hrh2 histamine receptor H2 [ *Mus musculus* ]

#### Also known as: H2R

#### Summary:

The diverse effects of histamine on immune regulation are a result of the differential expression and regulation of 4 histamine receptors. HRH2(-/-) mice manifested profound insulin resistance and glucose intolerance. HRH2 signaling may regulate glucose and lipid metabolism. Histamine is necessary to generate IL-4-driven eosinophilic inflammation, as histamine-deficient mice cannot generate eosinophilic lung inflammation in response to intratracheal IL-4, and exogenous histamine restores responsiveness. Alveolar epithelial cells require HRH2 to produce CCL24, an eosinophil recruitment factor.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0393 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
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401 ggagacgtgt taacaagctt ggatccgata tetgtagcgc ggcggccacc atggagccca atggcaagggt tcattctctgc tgtttggact ctattgcatt
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2601 ctttgatctt ttctacgggg tetgacgctc agtggaaacga aaactcact taagggattt tggatcatg attatcaaaa aggatcttca cctagatcct
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3801 ggcgtatcac gaggcccttt cgtc

> RDC0393 Translated Insert Sequence

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101 lctasilnlf misldrycav tdplrypvlv tprvraislv fiwvisitls flslhgwns rngtrgndt fkckqvnev yglvdgmvtf ylp111m11cvt
201 yyrifkiare qakrinhiss wkaatirehk atvtlaavmg afivcwfpf tafvyrglrg ddaavnevveg ivlwlgyans alnpilyatl nrdfmayqq
301 lfhcklashn shktslrlnn sllsrsgsre grwqeekplk lqwsqteit hpqgsprv