

Recombinant Human HRH2

Cat. No. HRH2-27612TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Histamine H2 Receptor with N terminal FLAG tag fused at the C terminal to the N terminal of Human Gq alpha via a His tag,90 kDa expressed in Sf9 insect cells.
Species	Human
Description	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. Histamine receptor H2 belongs to the family 1 of G protein-coupled receptors. It 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.
Conjugation	FLAG,His
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 75mM Tris HCl, 12.5mM Magnesium chloride, 1mM EDTA, pH 7.4
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Full Length	Full L.

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GENE INFORMATION

Gene Name	HRH2 histamine receptor H2 [Homo sapiens]
Official Symbol	HRH2
Synonyms	HRH2; histamine receptor H2; histamine H2 receptor;
Gene ID	3274
mRNA Refseq	NM_001131055
Protein Refseq	NP_001124527
MIM	142703
Uniprot ID	P25021
Chromosome Location	5q35
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem;
Function	G-protein coupled receptor activity; histamine receptor activity; receptor activity; signal transducer activity;

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