

Recombinant Human HRH1

Cat. No. HRH1-27712TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Histamine H1 Receptor with N terminal FLAG tag and C terminal His tag, coexpressed with RGS4 , prepared from Sf9 cells coinfectd with Human Histamine H1 Receptor and RGS4-encoding baculoviruses.
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. This gene was thought to be intronless until recently. The protein encoded by this gene is an integral membrane protein and belongs to the G protein-coupled receptor superfamily. It mediates the contraction of smooth muscles, the increase in capillary permeability due to contraction of terminal venules, the release of catecholamine from adrenal medulla, and neurotransmission in the central nervous system. Multiple alternatively spliced variants, encoding the same protein, have been identified.
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.

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Full Length
Full L.

GENE INFORMATION

Gene Name

HRH1 histamine receptor H1 [Homo sapiens]

Official Symbol

HRH1

Synonyms

HRH1; histamine receptor H1; histamine H1 receptor;

Gene ID

3269

mRNA Refseq

NM_000861

Protein Refseq

NP_000852

MIM

600167

Uniprot ID

P35367

**Chromosome
Location**

3p25

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 (q) signalling events, organism-specific biosystem;

Function

G-protein coupled receptor activity; histamine binding; histamine receptor activity; receptor activity; signal transducer activity;

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