

Recombinant Rat Hrh2 Protein

Cat. No. Hrh2-788R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Histamine H2-Receptor was expressed in Sf9 insect cells.
Species	Rat
Source	Insect Cells
Description	The histamine H2-receptor (H2R) belongs to the superfamily of seven transmembrane domain (7TM), G-protein-coupled receptors (GPCRs). The endogenous agonist for the H2R is histamine which is both neurotransmitter and autacoid. The H2R couples to Gs-proteins to mediate adenylate cyclase (AC) activation. In some systems, the H2R also couples to Gq-proteins and phospholipase C. Among the many responses mediated by the H2R are gastric acid secretion, smooth muscle relaxation, positive inotropic and chronotropic effects on heart muscle, and inhibition of leukocyte function. The rat H2R was prepared from Sf9 cells infected with rat H2R-encoding baculovirus. In this system, the rat H2R couples to the Gsa-like G-proteins of the insect cells to mediate AC activation.
Form	75 mM Tris-HCl pH 7.4, 12.5 mM MgCl ₂ and 1 mM EDTA
Molecular Mass	33 kDa
Storage	Store at -80 centigrade, avoid freeze/thaw cycles.

GENE INFORMATION

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Gene Name	Hrh2 histamine receptor H 2 [Rattus norvegicus]
Official Symbol	Hrh2
Synonyms	Hrh2
Gene ID	25461
mRNA Refseq	NM_012965.3
Protein Refseq	NP_037097.3
UniProt ID	P25102

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