

Hrh2; Histamine receptor H 2; H2R; Histamine H2 receptor

Cat. No. Hrh2-1143R Lot. No. (See product label)

SPECIFICATION

Product Overview

Source	Sf9 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 <i>baculovirus</i>. In this system, the rat H2R couples to the Gs-like G-proteins of the insect cells to mediate AC activation.
Usage	For in vitro use only.
Form	Membrane suspension. Supplied in 75 mM Tris-HCl pH 7.4, 12.5 mM MgCl ₂ and 1 mM EDTA.
Purity	> 95% by SDS-PAGE.
Storage	Quality guaranteed for 12 months, Store at -80°C. Avoid freeze / thaw cycles.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	Hrh2 histamine receptor H 2 [Rattus norvegicus]
Synonyms	Hrh2; histamine receptor H 2; H2R; Histamine H2 receptor
Gene ID	25461
mRNA Refseq	NM_012965
Protein Refseq	NP_037097
UniProt ID	P25102

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