

## Hrh2

### Rat histamine H2 receptor

<b>Catalog No.</b>	CSR1062MP CSR1062PR	<b>Quantity:</b>	10 mg 50 µg
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**Alternate Names:** H2R, HH2R, Gastric Receptor I

**Description:** Hrh2 encodes the rat protein known as histamine H2 receptor, a histamine receptor belonging to the family 1 of G-protein-coupled receptors. It is an integral membrane protein found in the gastrointestinal tract, the central nervous system, smooth muscle cells and endothelial cells. It regulates gastrointestinal motility and intestinal secretion and may be involved in regulating cell growth and differentiation. Histamine H2 receptors are involved in the suppressive activities of histamine, a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. The actions of histamine are mediated by histamine receptors H1, H2, H3 and H4.

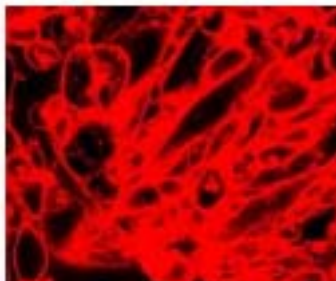
The receptor is available in the following formats: stable over-expression cell line, membrane preparation, or purified receptor in HEK293 or CHO. Various tagged versions are available.

**Gene ID:** 25461  
**UniProtKB:** P25102  
**Format:** Cell line, membrane preparation, or purified protein  
**Source:** HEK 293 or CHO cells

**Characterization:** Expression verified by flow cytometry. Receptor demonstrates biological activity when tested in a radioligand assay.

**Affinity Tag Options:** 4S-H: 2 x TwinStrep Tag at the amino-terminus, His<sub>10</sub> tag at the carboxy-terminus

Rat Hhr2 receptor was stably overexpressed in CHO cells and expression was assessed by immunostaining with Strep-Tactin Chromeo 546



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