

## Recombinant Human HRH2 Protein

Cat. No. HRH2-5036H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HRH2 full-length ORF (AAH54510.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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. [provided by RefSeq]</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	44.5 kDa
<b>AA Sequence</b>	<pre>MAPNGTASSFCLDSTACKITITVVLAVLILITVAGNVVVCLAVGLNRRLRNLTNCFIVSL AITDLLLGLLVLPFSAIYQLSCKWSFGKVFNCNIYTSLDVMLCTASILNLFMISLDRYCAV MDPLRYPVLVTPVRVAISLVLIWVISITLSFLSIHLGWNSRNETSCKGNHTTSKCKVQVN EVYGLVDGLVTFYLPLLIMCITYYRIFKVARQAKRINHISWKAATIREHKATVTAAV MGAFIICWFPYFTAFVYRGLRGDDAINEVLEAIVLWLGANSALNPILYAALNRDFRT GYQQLFCCRLANRNSHKTSLRSNASQLSRTQSREPRQQEEKPLKLQVWSGTEVTA</pre>

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PQGATDRPWLCLPECWSVELTHSFIHLFIHSFANIHPITTCQEL

**Applications**  
Antibody Production  
Functional Study  
Compound Screening

**Usage**  
Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

**Notes**  
Best use within three months from the date of receipt of this protein.

**Storage**  
Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**  
25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

**Gene Name**  
HRH2 histamine receptor H2 [ Homo sapiens ]

**Official Symbol**  
HRH2

**Synonyms**  
HRH2; histamine receptor H2; histamine H2 receptor; HH2R; gastric receptor 1; gastric receptor I; H2R;

**Gene ID**  
3274

**mRNA Refseq**  
NM\_001131055

**Protein Refseq**  
NP\_001124527

**MIM**  
142703

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UniProt ID

P25021

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