

Recombinant Human HRH1 Protein

Cat. No. HRH1-5033H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HRH1 full-length ORF (NP_000852.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Form	Liquid
Molecular Mass	55.8 kDa
AA Sequence	MSLPNSSCLLEDKMCEGNKTTMASPQLMPLVVVLSTICLVTVGLNLLVLYAVRSERK LHTVGNLYIVSLSVADLIVGAVVMPMNILYLLMSKWSLGRPLCLFWLSMDYVASTASI FSVFILCIDRYRSVQQPLRYLK YRTKTRASATILGAWFLSFLWVIPILGWNHFMQQTS VRREDKCETDFYDVTWFKVMTAINFYLP TLLMLW FYAKIYKAVRQHCQHRELINRSL PSFSEIKLRPENPKGDAKKPGKESPWEVLKRKPKDAGGGSVLKSPSQTPKEMKSPV

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VFSQEDDREVDKLYCFPLDIVHMQAAAEGSSRDYVAVNRSHGQLKTDEQGLNTHG
 ASEISEDQMLGDSQSFSRTDSDTTTETAPGKGKLRSGSNTGLDYIKFTWKRLRSHS
 RQYVSGLHMNRERKAAKQLGFIMAAFILCWIPYFIFFMVIAFCKNCCNEHLMFTIWL
 GYINSTLNPLIYPLCNENFKKTKFRILHIRS

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	HRH1 histamine receptor H1 [Homo sapiens]
Official Symbol	HRH1
Synonyms	HRH1; histamine receptor H1; histamine H1 receptor; H1R; HH1R; histamine H(1) receptor; histamine receptor, subclass H1; H1-R; hisH1;
Gene ID	3269
mRNA Refseq	NM_000861

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Protein Refseq	NP_000852
MIM	600167
UniProt ID	P35367

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