

Recombinant Full Length Human HRH1 Protein

Cat. No. HRH1-3663HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HRH1 full-length ORF (NP_000852.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	644 amino acids
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 FSVFILCIDRYRSVQQPLRYLKYRTKTRASATILGAWFLSFLWVPILGWNHFMQQTS

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VRREDKCETDFYDVTWFKVMTAINFYLPDLLMLWIFYAKIYKAVRQHCQHRELINRSL
 PSFSEIKLRPENPKGDAKKPGKESPWEVLKRKPKDAGGGSVLKSPSQTPEMKSPV
 VFSQEDDREVDKLYCFPLDIVHMQAAAEGSSRDYVAVNRSHGQLKTDEQGLNTHG
 ASEISEDQMLGDSQSFSRTDSDTTTETAPGKGKLRSGSNTGLDYIKFTWKRLRSHS
 RQYVSGLHMNRERKAAKQLGFIMAAFILCWIPYFIFFMVIAFCKNCCNEHLMFTIWL
 GYINSTLNPLIYPLCNENFKKTFKRILHIRS

Applications

Antibody Production
 Functional Study
 Compound Screening

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

Protein Refseq

NP_000852

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MIM	600167
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UniProt ID	P35367
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