

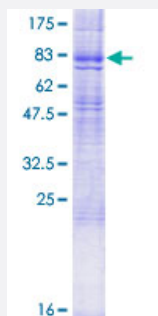
Full-Length

HRH1 (Human) Recombinant Protein (P01)

Catalog # H00003269-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HRH1 full-length ORF (NP_000852.1, 1 a.a. - 487 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLPNSSCLLEDKMCEGNKTTMASPQLMPLVVVLSTICLVTVGLNLLVLYAVRSEKLTHTVGNYI
VSLSVADLVGAVVMPMNILYLLMSKWSLGRPLCLFWLSMDYVASTASIFSVFICIDRYRSVQQPL
RYLKRYRTKTRASATILGAWFLSFLWWIPILGWNHFMQQTSVRREDKCETDFYDVTWFKVMTAIIIFY
LPTLLMLWFYAKIYKAVRQHCQHRELINRSLPSFSEIKLRPENPKGDAKKPGKESPWEVLKRKPK
DAGGGSVLKSPSQTPKEMKSPVVFSSQEDDREVDKLYCFPLDIVHMQAAAEGSSRDYVAVNRSH
GQLKTDEQGLNTHGASEISEDQMLGDSQSFSRTDSDTTTETAPGKGKLRSGSNTGLDYKFTWKR
LRSHSRQYVSGLHMNRERKAAQLGFIMAAFILCWIPYIFFMVIACFNCCNEHLHMFTIWLGYINS
TLNPLYPLCNENFKKTFKRILHIRS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

82.2

Interspecies Antigen Sequence

Mouse (78); Rat (79)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HRH1

Entrez GeneID	3269
GeneBank Accession#	NM_000861.2
Protein Accession#	NP_000852.1
Gene Name	HRH1
Gene Alias	H1-R, hisH1
Gene Description	histamine receptor H1
Omim ID	600167
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000160133 histamine H(1) receptor histamine receptor, subclass H1

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Angioneurotic Edema](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Parkinson disease](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Urticaria](#)
- [Weight Gain](#)