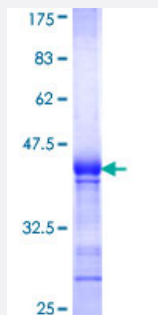


HRH3 (Human) Recombinant Protein (Q01)

Catalog # H00011255-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HRH3 partial ORF (NP_009163, 257 a.a. - 359 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GCWGCWQKGHGGEAMPLHRYGVGEAAVGAEAGEATLGGGGGGGSVASPTSSSGSSSRGTERP RSLKRGSKPSASSASLEKRMKMVSQSFTQRFRLSRDRKVAKS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.07
Interspecies Antigen Sequence	Mouse (89); Rat (90)
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 — HRH3

Entrez GeneID [11255](#)

GeneBank Accession# [NM_007232](#)

Protein Accession# [NP_009163](#)

Gene Name HRH3

Gene Alias GPCR97, HH3R

Gene Description histamine receptor H3

Omim ID [604525](#)

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 encodes one of the histamine receptors (H3) which belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and can regulate neurotransmitter release. This receptor can also increase voltage-dependent calcium current in smooth muscles and innervates the blood vessels and the heart in cardiovascular system. [provided by RefSeq]

Other Designations G protein-coupled receptor 97|OTTHUMP00000031459|histamine H3 receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asthma](#)
- [Cognition](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)