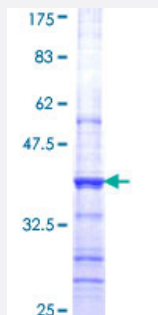


HNMT (Human) Recombinant Protein (Q01)

Catalog # H00003176-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HNMT partial ORF (NP_008826, 184 a.a. - 292 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KKYGSRFPQDDLCQYTSDDLTLQMLDNLGLKYECYDLLSTMDISDCFIDGNENGDLLWDFLTETCN FNATAPPDLRAELGKDLQEPEFSAKKEGKVLFNNTLSFMIEA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
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 — HNMT

Entrez GeneID [3176](#)

GeneBank Accession# [NM_006895](#)

Protein Accession# [NP_008826](#)

Gene Name HNMT

Gene Alias HMT, HNMT-S1, HNMT-S2

Gene Description histamine N-methyltransferase

Omim ID [600807 605238](#)

Gene Ontology [Hyperlink](#)

Gene Summary In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. This gene encodes the first enzyme which is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. In the mammalian brain, the neurotransmitter activity of histamine is controlled by N(tau)-methylation as diamine oxidase is not found in the central nervous system. A common genetic polymorphism affects the activity levels of this gene product in red blood cells. Multiple alternatively spliced transcript variants that encode different proteins have been found for this gene. [provided by RefSeq]

Other Designations -

Pathway

- [Histidine metabolism](#)

Disease

- [Alcoholism](#)
- [Angioneurotic Edema](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Colitis](#)
- [Dermatitis](#)
- [Disease Progression](#)
- [Duodenal Ulcer](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Migraine Disorders](#)
- [Multiple Sclerosis](#)
- [Parkinson disease](#)
- [Personality Tests](#)
- [Psychiatric Status Rating Scales](#)

- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Stomach Ulcer](#)
- [Tobacco Use Disorder](#)
- [Urticaria](#)
- [Weight Gain](#)