

Bioactive

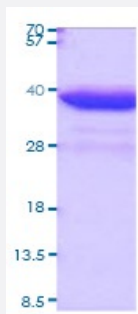
Full-Length

HNMT (Human) Recombinant Protein

Catalog # P6829

Size 5 ug

Applications



SDS-PAGE under reducing condition and visualized by coomassie blue stain.

Specification

Product Description	Human Histamine N-Methyltransferase/HNMT protein (AAH20677, 1 a.a.-292 a.a.) full length recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	37.4
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 90% by SDS-PAGE
Activity	Specific activity is > 200 nmol/min/mg, and is defined as the amount of enzyme that transfer 1.0 nmol of methyl group per minute at 37°C.
Quality Control Testing	SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE under reducing condition and visualized by coomassie blue stain.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, pH 8.0 (10% glycerol)

Storage Instruction

Store at -20°C. For long term storage store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — HNMT

Entrez GeneID [3176](#)

Protein Accession# [P50135](#)

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](#)