Recombinant Full Length Human HNMT Protein, GST-tagged

Cat. No. HNMT-3677HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HNMT full-length ORF (AAH05907, 1 a.a. - 51 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	51 amino acids
Description	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
Molecular Mass	31.35 kDa
AA Sequence	MASSMRSLFSDHGKYVESFRRFLNHSTEHQCMQEFMDKKLPGIIGRYQNCC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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	Protein Array
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HNMT histamine N-methyltransferase [Homo sapiens]
Official Symbol	HNMT
Synonyms	HNMT; histamine N-methyltransferase; HMT; HNMT-S1; HNMT-S2;
Gene ID	3176
mRNA Refseq	NM_001024074
Protein Refseq	NP_001019245
MIM	605238
UniProt ID	P50135

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