

## Product datasheet for **AR09152PU-L**

### HNMT / HMT (1-292, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	HNMT / HMT (1-292, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> GMASMTGGQQ MGRDLYDDDD KDRWGSMASS MRSLSFDHGK YVESFRRFLN HSTEHQCMQE FMDKKLPGII GRIGDTKSEI KILSIGGGAG EIDLQILSKV QAQYPGVCIN NEVVEPSAEQ IAKYKELVAK TSNLENVKFA WHKETSSEYQ SRMLEKKELQ KWDFIHMIQM LYYVKDIPAT LKFFHSLGTL NAKMLIIVVS GSSGWDKLWK KYGSRFPQDD LCQYITSDDL TQMLDNLGLK YECYDLLSTM DISDCFIDGD ENGDLLWDFL TETCNFNATA PPDRLAELGK DLQEPEPSAK KEGKVLFNNT LSFIVIEA
Tag:	His-tag
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl (pH 8.0) buffer containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HNMT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001019245</u>
Locus ID:	3176
UniProt ID:	<u>P50135</u>
Cytogenetics:	2q22.1
Synonyms:	HMT; HNMT-S1; HNMT-S2; MRT51



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**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, Jul 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Histidine metabolism

**Product images:**