HNMT Protein, Human (His)

Cat. No.:	HY-P75811
Synonyms:	Histamine N-methyltransferase; HMT; HNMT
Species:	Human
Source:	E. coli
Accession:	P50135-1 (M1-A292)
Gene ID:	3176
Molecular Weight:	Approximately 32 kDa

PROPERTIES

AA Sequence	M A S S M R S L F S D H G K Y V E S F R R F L N H S T E H Q C M Q E F M D K K L P G I I G R I G D T K S E I K I L S I G G G A G E I D L Q I L S K V Q A Q Y P G V C I N N E V V E P S A E Q I A K Y K E L V A K T S N L E N V K F A W H K E T S S E Y Q S R M L E K K E L Q K W D F I H M I Q M L Y Y V K D I P A T L K F F H S L L G T N A K M L I I V V S G S S G W D K L W K K Y G S R F P Q D D L C Q Y I T S D D L T Q M L D N L G L K Y E C Y D L L S T M D I S D C F I D G N E N G D L L W D F L T E T C N F N A T A P P D L R A E L G K D L Q E P E F S A K K E G K V L F N N T L S F I V I E A
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The HNMT protein assumes a pivotal role in histamine metabolism by facilitating its inactivation through N-methylation. This enzymatic activity is crucial for the degradation of histamine, emphasizing HNMT's essential function in modulating

	histamine levels. Particularly, its involvement in regulating the airway response to histamine underscores its significance in maintaining physiological homeostasis, with potential implications in immune and inflammatory responses.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA