Datasheet for ABIN5855072

HNMT Protein (AA 1-292) (His tag)

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1 Image

Overview

Quantity:	5 µg
Target:	HNMT
Protein Characteristics:	AA 1-292
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This HNMT protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMASS MRSLFSDHGK YVESFRRFLN HSTEHQCMQE FMDKKLPGII GRIGDTKSEI KILSIGGGAG EIDLQILSKV QAQYPGVCIN NEVVEPSAEQ IAKYKELVAK TSNLENVKFA WHKETSSEYQ SRMLEKKELQ KWDFIHMIQM LYYVKDIPAT LKFFHSLLGT NAKMLIIVVS GSSGWDKLWK KYGSRFPQDD LCQYITSDDL TQMLDNLGLK YECYDLLSTM DISDCFIDGD ENGDLLWDFL TETCNFNATA PPDLRAELGK DLQEPEFSAK KEGKVLFNNT LSFIVIEA
Purity:	> 90 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 200 nmol/min/mg, and is defined as the amount of enzyme that transfer 1.0 nmole of methyl group per minute at 37C

Target Details

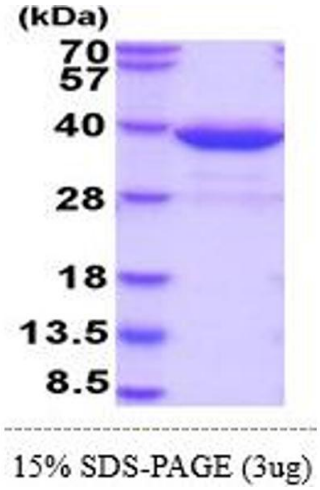
Target:	HNMT
Alternative Name:	HNMT (HNMT Products)
Background:	HNMT also known as Histamine N-methyltransferase. HNMT is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. HNMT inactivates histamine by N-methylation. Histamine is involved in regulation and modulation of immune response through the stimulation of four distinct subtypes of receptors, H1, H2, H3, and H4, present on the target cells. Histamine is inactivated by the histamine-metabolizing enzyme histamine N-methyltransferase (HNMT) in bronchus, kidney, and the central nervous system. It plays an important role in degrading histamine and in regulating the airway response to histamine. Recombinant human HNMT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Molecular Weight:	37.4 kDa (328aa) confirmed by MALDI-TOF
NCBI Accession:	NP_008826
UniProt:	P50135

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-Hcl (pH 8.0) buffer containing 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.

