

HNMT, 1-292 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02477

3th Edition

Synonyms:Histamine N-methyltransferase isoform 1, HMT, HNMT-S1, HNMT-S2

Description: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.

Form:Liquid. In 20mM Tris-HCl(pH8.0) buffer containing 10% glycerol

Molecular Weight:37 kDa (328 aa) , confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMASMRSLFSDHGKYVESFRRFLNHSTEHQCMQEF
MDKKLPGIIGRIGDTKSEIKILSIGGGAGEIDLQILSKVQAQYPGVCINNEVVEPSAEQIAKYKELVAKTSNLENVKFAW
HKETSSEYQSRMLEKKELQKWDFIHMIQMLYYVKDIPATLKFFHSLGTNAKMLIIVVSGSSGWDKLWKKYGS RFPQ
DDLCQYITSDDL TQMLDNLGLKYECYDLLSTMDISDCFIDGDENGDLLWDFLTETCNFNATAPPDLRAELGKDLQEP
EFSAKKEGKVLFNNTLSFIVIEA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.