

Homocysteine S–methyltransferase (HMT) a/b

Product name	Homocysteine S-methyltransferase (HMT) a/b
Catalog Number	AST00601-50, AST00601-500
Description	Recombinant Homocysteine S-methyltransferase (E.C. 2.1.1.10), from <i>E. Coli</i> expression. Homocysteine, an important thiol-containing amino acid, can be formed from methionine during S-adenosylmethionine-dependent transmethylation reaction catalyzed by homocystein S-methyltransferase (HMT).

Properties

Form	Liquid
Molecular Weight	51 kDa (SDS-PAGE)
Stability	Stable at -20°C in glycerol unfrozen for at least 1 year, longer under -80°C
Storage	Freeze, avoid repeated freeze-thaw cycle
Packaging	50 µg, 500 µg
Storage buffer	20mM Tris pH8.0 in 50% Glycerol
Purity	>90% (SDS-PAGE)
Isoelectric point	5.0
Stable pH	6.5 – 8.5
Research Areas	Methylation of biomolecules (DNA, RNA, proteins, hormones, neurotransmitters, etc.) One-carbon and mitochondrial metabolisms Signal transduction Epigenetics Pathways and processes