

Methionine Adenosyltransferase (MAT) a/b

Product name	Methionine Adenosyltransferase (MAT) a/b
Catalog Number	AST00401-50, AST00401-500
Description	Recombinant methionine adenosyltransferase (E.C. 2.5.1.6), from <i>E. Coli</i> expression. MAT catalyzes L-methionine and ATP to produce S-adenosylmethionine and PPPi.

Properties

Form	Liquid
Molecular Weight	46 kDa (SDS-PAGE)
Stability	Stable at -20°C in glycerol unfrozen for at least 1 year, longer under -80°C
Storage instructions	Freeze, avoid repeated freeze-thaw cycle
Packaging	50 µg, 500 µg
Storage buffer	100mM Tris buffer, 20mM Mg2SQ4, 250mM KCl pH7.40 in 30% Glycerol
Purity	>95% (SDS-PAGE)
Isoelectric point	4.7
Stable	pH 7.4 – 9.5
Research Areas	Methylation of biomolecules (DNA, RNA, proteins, hormones, neurotransmitters, etc.) One-carbon and mitochondrial metabolisms Signal transduction Epigenetics Pathways and processes Cancer and other disorders