

## Methionine Adenosyltransferase (MAT) a/b

<b>Product name</b>	Methionine Adenosyltransferase (MAT) a/b
<b>Catalog Number</b>	AST00401-50, AST00401-500
<b>Description</b>	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

---

<b>Form</b>	Liquid
<b>Molecular Weight</b>	46 kDa (SDS-PAGE)
<b>Stability</b>	Stable at -20°C in glycerol unfrozen for at least 1 year, longer under -80°C
<b>Storage instructions</b>	Freeze, avoid repeated freeze-thaw cycle
<b>Packaging</b>	50 µg, 500 µg
<b>Storage buffer</b>	100mM Tris buffer, 20mM Mg <sub>2</sub> SO <sub>4</sub> , 250mM KCl pH7.40 in 30% Glycerol
<b>Purity</b>	>95% (SDS-PAGE)
<b>Isoelectric point</b>	4.7
<b>Stable</b>	pH 7.4 – 9.5
<b>Research Areas</b>	Methylation of biomolecules (DNA, RNA, proteins, hormones, neurotransmitters, etc.) One-carbon and mitochondrial metabolisms Signal transduction Epigenetics Pathways and processes Cancer and other disorders