

Methionine Adenosyltransferase I Alpha Human Recombinant

Item Number	rAP-1988
Synonyms	EC 2.5.1.6, MAT, MATA1, SAMS, SAMS1, Methionine adenosyltransferase 1, S-adenosylmethionine synthase isoform type-1, AdoMet synthase 1, MAT 1, Methionine adenosyltransferase I/III, MAT-I/III, MAT1A, AMS1.
Description	MAT1A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 414 amino acids (1-395 a.a.) and having a molecular mass of 45.6 kDa. The MAT1A is fused to a 20 amino acid his tag at N-terminus and purified by conventional chromatography.
Uniprot Accesion Number	Q00266
Amino Acid Sequence	MGSSHHHHS SGLVPRGSHM NGPVDGLCDH SLSEGVFMFT SESVGEGHPD KICDQISDAV LDAHLKQDPN AKVACETVCK TGMVLLCGEI TSMAMVDYQR VVRDTIKHIG YDDSAKGFDF KTCNVLVALE QQSPDIAQCV HLDNRNEEDVG AGDQGLMFGY ATDETEECMP LTIILAHKLN ARMA- DLRRSG LLPWLRPDSK TQVTVQYMQD NGAVIPVRIH TIVISVQHNE DITLEEMRRA LKEQVIRAVV PAKYLDEDTV YHLQPSGRFV IGGPQGDAGV TGRKIIVDTY GGWGAHGGGA FSGKDYTKVD RSAAYAARWV AKSLVKAGLC RRVLVQVSYA IGVAEPLSIS IFTYGTSQKT ERELLDVVHK NFDLRPGVIV RDLDLKKPIY QKTACYGHFG RSEFPWEVPR KLVF.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The MAT1A protein solution contains 20mM Tris-HCl pH-8, 1mM DTT, 100mM NaCl and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**