

Recombinant Human MAT1A protein, GST-tagged

Cat. No. MAT1A-301342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAT1A protein(1-395 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-395 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MNGPVDGLCDHSLSEGVMFTSESVGEGHPDKICDQISDAVLDAHLKQDPNAKVAC ETVCKTGMVLLCGEITSMAMVDYQRVVRDTIKHIGYDDSAKGFDFKTCNVLVALEQQ SPDIAQCVHLDRNEEDVGAGDQGLMFGYATDETEECMPLTIILAHKLNARMADLRRS GLLPWLRPDSKTQVTQYMQDNGAVIPVRIHTIVISVQHNEDITLEEMRRALKEQVIR AVVPAKYLDEDTVYHLQPSGRFVIGGPQGDAGVTGRKIIVDTYGGWGAHGGGAFS GKDYTKVDRSAAYAARWVAKSLVKAGLCRRVLVQVSYAIGVAEPLSISIFTYGTSQK TERELLDVVHKNFDLRPGVIVRDLDLKKPIYQKTACYGHFGRSEFPWEVPRKLVF
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [MAT1A methionine adenosyltransferase I, alpha \[Homo sapiens \]](#)

Official Symbol [MAT1A](#)

Synonyms MAT1A; methionine adenosyltransferase I, alpha; S-adenosylmethionine synthase isoform type-1; MAT; MATA1; S adenosylmethionine synthetase; SAMS; SAMS1; MAT 1; MAT-I/III; adoMet synthase 1; adoMet synthetase 1; methionine adenosyltransferase 1; methionine adenosyltransferase I/III; S-adenosylmethionine synthetase isoform type-1;

Gene ID [4143](#)

mRNA Refseq [NM_000429](#)

Protein Refseq [NP_000420](#)

MIM [610550](#)

UniProt ID [Q00266](#)

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SDS-PAGE



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