

MAT2A recombinant protein

MAT2A, 1-395aa, Human, His tag, E Coli

CATALOG # AAA48511	HOST E Coli	APPLICATIONS SDS-Page
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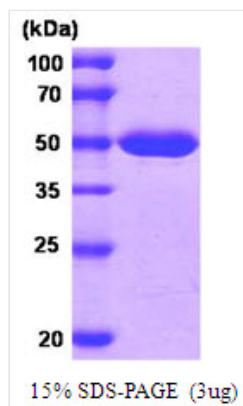
PRODUCT SYNONYMS

MAT2A; 1-395aa; Human; His tag; E Coli; Methionine adenosyltransferase II alpha; MATA2; MATII; SAMS2; Methionine adenosyltransferase II; alpha AdoMet synthetase; AdoMet synthetase 2; AMS 2; MAT II; MATA 2; Methionine adenosyltransferase; Methionine adenosyltransferase 2; SAMS 2; S adenosylmethionine synthetase gamma form; S adenosylmethionine synthetase isoform type 2; S-adenosylmethionine synthetase isoform type 2; MAT2A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20 mM Tris-HCl pH 8.0, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MNGQLNGFHE AFIEEGTFLF TSESVGEGHP DKICDQISDA VLDAHLQQDP DAKVACETVA KTGMILLAGE ITSRAVDYQ KVVREAVKHI GYDDSSKGFY YKTCNVLVAL EQQSPDIAQG VHLDRNEEDI GAGDQGLMFG YATDETEECM PLTIVLAHKL NAKLAELRRN GTLPWLRPDS KTQVTVQYMQ DRGAVLPIRV HTIVISVQHD EEVCLDEMMD ALKEKVIKAV VPAKYLDEDT IYHLQPSGRF VIGGPQGDAG LTGRKIIVDT YGGWGAHGGG AFSGKDYTKV DRSAAYAARW VAKSLVKGGL CRRVLVQVSY AIGVSHPLSI SIFHYGTSQK SERELLEIVK KNFDLRPGVI VRDLCLKPI YQRTAAYGHF GRDSFPWEVP KKLKY
Sequence Length	395
Applicable Applications for MAT2A recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MAT2A recombinant protein	Methionine adenosyltransferase II (MAT II) is a key enzyme in cellular metabolism and catalyzes the formation of S-adenosylmethionine (SAME) from L-methionine and ATP. MAT2A is expressed in extrahepatic tissues. In liver, MAT2A expression associates with growth, dedifferentiation, and cancer. Recombinant MAT2A, fused to His-tag at N-terminus, was expressed in E Coli and purified by conventional chromatography techniques
Product Categories/Family for MAT2A recombinant protein	Cancer
References	Ramani K., et al. (2008). Hepatology. 47 (2):521-31.; Chen H.,. (2007) Gastroenterology. 133 (1):207-18.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174529
NCBI GeneID	4144
NCBI Accession #	NP_005902
NCBI GenBank Nucleotide #	NM_005911.5
UniProt Accession #	P31153; Q53SP5; A8K511; B4DN45; D6W5L1
Molecular Weight	45.8 kDa (415 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	S-adenosylmethionine synthase isoform type-2
NCBI Official Synonym Full Names	methionine adenosyltransferase 2A
NCBI Official Symbol	MAT2A
NCBI Official Synonym Symbols	MATA2; MATII; SAMS2
NCBI Protein Information	S-adenosylmethionine synthase isoform type-2
UniProt Protein Name	S-adenosylmethionine synthase isoform type-2
UniProt Gene Name	MAT2A
UniProt Synonym Gene Names	AMS2; MATA2; MAT-II

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.