

Recombinant Human MAT2B Protein, His-tagged

Cat. No. MAT2B-2423H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAT2B Protein (Met1-His334) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-His334
Description	The protein encoded by this gene belongs to the methionine adenosyltransferase (MAT) family. MAT catalyzes the biosynthesis of S-adenosylmethionine from methionine and ATP. This protein is the regulatory beta subunit of MAT. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.3 kDa Accurate Molecular Mass: 43 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	MAT2B methionine adenosyltransferase II, beta [Homo sapiens (human)]
Official Symbol	MAT2B
Synonyms	MAT2B; methionine adenosyltransferase II, beta; methionine adenosyltransferase 2 subunit beta; MATIIBeta; SDR23E1; short chain dehydrogenase/reductase family 23E; member 1; MAT II beta; putative protein product of Nbla02999; dTDP-4-keto-6-deoxy-D-glucose 4-reductase; putative dTDP-4-keto-6-deoxy-D-glucose 4-reductase; short chain dehydrogenase/reductase family 23E, member 1; beta regulatory subunit of methionine adenosyltransferase; TGR; MAT-II; Nbla02999; MGC12237;
Gene ID	27430
mRNA Refseq	NM_013283

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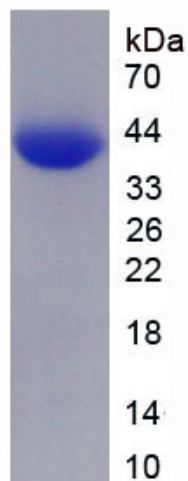
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Protein Refseq	NP_037415
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MIM	605527
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UniProt ID	Q9NZL9
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