

Full-Length

MAT2B (Human) Recombinant Protein (P01)

Catalog # H00027430-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MAT2B full-length ORF (AAH05218, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPEMPEDMEQEEVNIPNRRVLVTGATGLLGRAVHKEFQQNNWHAVGCGFRRARPKFEQVNLLD
SNAVHHIHDQPHVMHCAAERRPDVVENQPDAAASQLNVDASGNLAKEAAAVGAFLMSSDYVF
DGTNPPYREEDIPAPLNLYGKTKLDGEKAVLENNLGAAVLRIPILYGEVEKLEESAVTVMFDKVQF
SNKSANMDHWQQRFPTHVKDVATVCRQLAEKRMLDPSIKGTFHWSGNEQMTKYEMACAIADAF
NLPSSHLRPITDSPVLGAQRPRNTQLDCSKLETLGIGQRTPFRIKESLWPFLIDKRWRQTVFH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.27

Interspecies Antigen Sequence

Mouse (94); Rat (94)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAT2B

Entrez GeneID[27430](#)**GeneBank Accession#**[BC005218](#)**Protein Accession#**[AAH05218](#)**Gene Name**

MAT2B

Gene Alias

MAT-II, MATIIBeta, MGC12237, Nbla02999, SDR23E1, TGR

Gene Description

methionine adenosyltransferase II, beta

Omim ID[605527](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq]

Other Designations

beta regulatory subunit of methionine adenosyltransferase|dTDP-4-keto-6-deoxy-D-glucose 4-reductase|putative protein product of Nbla02999|short chain dehydrogenase/reductase family 23E, member 1

Pathway

- [Biosynthesis of plant hormones](#)
- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)
- [Selenoamino acid metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Spinal Dysraphism](#)