Recombinant human MAT2B protein

Catalog Number: ATGP0425

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-323aa

UniProt No.
Q9NZL9

NCBI Accession No.
AAH05218

Alternative Names
2410018D16Rik, AI182287, Au022853, Beta 1110064C04Rik, Beta regulatory subunit of methionine adenosyltransferase, dTDP 4 keto 6 deoxy D glucose 4 reductase, MAT II, MAT II beta, MAT2B, Methionine adenosyltransferase 2 beta subunit, Methionine adenosyltransferase 2 subunit beta, Methionine adenosyltransferase II, Methionine adenosyltransferase II beta, MGC12237, Nbla02999, OTTMuSP00000005600, Putative protein product of Nbla02999, RP23-382C18.2, SDR23E1, Short chain dehydrogenase/reductase family 23E member 1, TGR

PRODUCT SPECIFICATION

Molecular Weight
36.4 kDa (323aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Methionine adenosyltransferase II, beta (MAT II beta) belongs to the methionine adenosyltransferase (MAT)

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family. MAT II beta catalyzes the biosynthesis of S-adenosylmethionine from methionine and ATP. This protein is the regulatory beta subunit of MAT. Its expression in hepatoma cell lines may lead to increase DNA synthesis and thereby participate to cell proliferation. Recombinant human MAT II beta was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

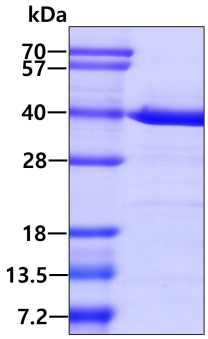
MPEMPEDMEQ EEVNIPNRRV LVTGATGLLG RAVHKEFQQN NWHAVGCGFR RARPKFEQVN LLDSNAVHHI IHDFQPHVIV HCAAERRPDV VENQPDAASQ LNVDASGNLA KEAAAVGAFL IYISSDYVFD GTNPPYREED IPAPLNLYGK TKLDGEKAVL ENNLGAAVLR IPILYGEVEK LEESAVTVMF DKVQFSNKSA NMDHWQQRFP THVKDVATVC RQLAEKRMLD PSIKGTFHWS GNEQMTKYEM ACAIADAFNL PSSHLRPITD SPVLGAQRPR NTQLDCSKLE TLGIGQRTPF RIGIKESLWP FLIDKRWRQT VFH

General References

Steele W., et al. (2005) Reprod Biomed Online. 10(6):755-66.
LeGros L., et al. (2001) J Biol Chem. 276(27):24918-24.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.