Recombinant human MMAB protein

Catalog Number: ATGP0677

PRODUCT INFORMATION

Expression system
E.coli

Domain
33-250aa

UniProt No.
Q96EY8

NCBI Accession No.
AAH05054

Alternative Names
Methylmalonic aciduria (cobalamin deficiency) cblB type, ATR, ATP:cob(I)alamin adenosyltransferase, Methylmalonic aciduria (cobalamin deficiency) cblB type

PRODUCT SPECIFICATION

Molecular Weight
26.3 kDa (239aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

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
MMAB is a protein that catalyzes the final step in the conversion of vitamin B (12) into adenosylcobalamin (AdoCbl), a vitamin B12 containing coenzyme for methylmalonyl-CoA mutase (MCM). Impaired MMAB activity leads to the inherited disorder vitamin B12 dependent methylmalonic aciduria linked to the cblB complementation group. Recombinant human MMAB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

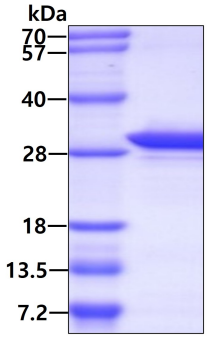
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General References

Gravel RA., et al. (2009) Mol Genet Metab. 98(3):278-84
Edwards AM., et al (2004) J Biol Chem. 279(22):23646-53.

DATA

SDS-PAGE



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