OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR09615PU-N Human MMAB (33-250, His-tag) - Purified

Alternate names: Cob(I)alamin adenosyltransferase, Cob(I)yrinic acid a, Methylmalonic aciduria type B, c-diamide adenosyltransferase

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q96EY8

NCBI: NP_443077

GeneID: 326625

Species: Human

Source: E. coli

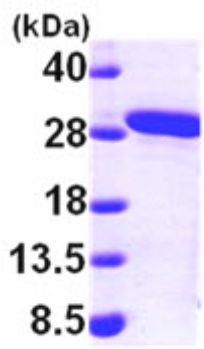
Format:
State: Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl Buffer (pH 7.5) containing 10% Glycerol

Description: Recombinant human MMAB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MQSRGPQGVE DGDRPQPSSK TPRIPKIYTK TGDKGFSSTF
TGERRPKDDQ VFEAVGTTDE LSSAIGFALE LVTEKGHTFA EELQKIQCTL QDVGSALATP
CSSAREAHLK YTTFKAGPIL ELEQWIDKYT SQLPPLTAFI LPSGGKISSA LHFCRAVCRR
AERRVVPLVQ MGETDANVAK FLNRLSDYLF TLARYAAMKE GNQEKIYKKN DPSAESEGL
Molecular weight: 26.3 kDa (239aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

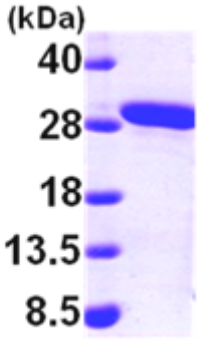
General Readings:
Gravel RA., et al. (2009) Mol Genet Metab. 98(3):278-84.
Edwards AM., et al (2004) J Biol Chem. 279(22):23646-53.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human MMAB, 33-250aa, His-tagged



15% SDS-PAGE (3ug)