Recombinant Human MMAB, His-tagged

Cat. No. MMAB-27647TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MMAB with an N terminal His tag; 239 amino acids with tag, Predicted MWt 26.3 kDa.
Species	Human
Source	E.coli
ProteinLength	218 amino acids
Description	This gene encodes a protein that catalyzes the final step in the conversion of vitamin B(12) into adenosylcobalamin (Ad°Cbl), a vitamin B12-containing coenzyme for methylmalonyl-CoA mutase. Mutations in the gene are the cause of vitamin B12-dependent methylmalonic aciduria linked to the cblB complementation group. Alternatively spliced transcript variants have been found.
Conjugation	HIS
Molecular Weight	26.300kDa inclusive of tags
Tissue specificity	Expressed in liver and skeletal muscle.
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMQSRGPQGVEDGDRPQPSSKTPRIPKIYTKTGDKG FSSTFTGERRPKDDQVFEAVGTTDELSSAIGFALELVTEKGHTFAEELQKIQCTLQDV GSALATPCSSAREAHLKYTTFKAGPILELEQWIDKYTSQLPPLTAFILPSGGKISSALH FCRAVCRRAERRVVPLVQMGETDANVAKFLNRLSDYLFTLARYAAMKEGNQEKIYK KNDPSAESEGL
Sequence Similarities	Belongs to the Cob(I)alamin adenosyltransferase family.

GENE INFORMATION

Gene Name	MMAB methylmalonic aciduria (cobalamin deficiency) cblB type [Homo sapiens]
Official Symbol	MMAB
Synonyms	MMAB; methylmalonic aciduria (cobalamin deficiency) cblB type; methylmalonic aciduria (cobalamin deficiency) type B; cob(I)yrinic acid a,c-diamide adenosyltransferase, mitochondrial; ATP:cob(I)alamin adenosyltransferase; cblB;
Gene ID	326625
mRNA Refseq	NM_052845
Protein Refseq	NP_443077
MIM	607568

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Uniprot ID	Q96EY8
Chromosome Location	12q24
Pathway	Metabolic pathways, organism-specific biosystem; Porphyrin and chlorophyll metabolism, organism-specific biosystem; Porphyrin and chlorophyll metabolism, conserved biosystem;
Function	ATP binding; cob(I)yrinic acid a,c-diamide adenosyltransferase activity; nucleotide binding; transferase activity;

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