

Recombinant Human MMAB, His-tagged

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

SPECIFICATION

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| 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 ^c 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: None Constituents: 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 | MGSSHHHHHSSGLVPRGSHMQSRGPQGVEDGDRPQPSSKTPRIPKIYTKTGDKG FSSTFTGERRPKDDQVFEAVGTTDELSSAIGFALELVTEKGHTFAEELQKIQCTLQDV GSALATPCSSARE AHLKYTTFKAGPILELEQWIDKYTSQLPPLTAFILPSGGKISSALH FCRAVCRRAERRVPLVQMGETDANVAKFLNRLSDYLFLLARYAAMKEGNQEKIYK KNDPSAESEGL |
| Sequence Similarities | Belongs to the Cob(I)alamin adenosyltransferase family. |
| GENE INFORMATION | |
| Gene Name | MMAB methylmalonic aciduria (cobalamin deficiency) cbIB type [Homo sapiens] |
| Official Symbol | MMAB |
| Synonyms | MMAB; methylmalonic aciduria (cobalamin deficiency) cbIB type; methylmalonic aciduria (cobalamin deficiency) type B; cob(I)yrinic acid a,c-diamide adenosyltransferase, mitochondrial; ATP:cob(I)alamin adenosyltransferase; cbIB; |
| 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(II)yrinic acid a,c-diamide adenosyltransferase activity; nucleotide binding; transferase activity; |

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