Recombinant Human MMAB, GST-tagged

Cat. No. MMAB-629H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMAB(1 a.a. - 250 a.a.) fussed with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-250 a.a.
Description	This gene encodes 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. 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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	53.8 kDa
AA Sequence	MAVCGLGSRLGLGSRLGLRGCFGAARLLYPRFQSRGPQGVEDGDRPQPSSKTPRI PKIYTKTGDKGFSSTFTGER RPKDDQVFEAVGTTDELSSAIGFALELVTEKGHTFAE ELQKIQCTLQDVGSALATPCSSAREAHLKYTTFKAGPI LELEQWIDKYTSQLPPLTAF ILPSGGKISSALHFCRAVCRRAERRVVPLVQMGETDANVAKFLNRLSDYLFTLAR YA AMKEGNQEKIYMKNDPSAESEGL

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MMAB methylmalonic aciduria (cobalamin deficiency) cblB type [Homo sapiens]
Official Symbol	MMAB
Synonyms	ATR; cob; cblB; CFAP23; cob(I)yrinic acid a,c-diamide adenosyltransferase, mitochondrial; ATP:cob(I)alamin adenosyltransferase; ATP:corrinoid adenosyltransferase; aquocob(I)alamin vitamin B12s adenosyltransferase; cilia and flagella associated protein 23; methylmalonic aciduria type B protein
Gene ID	326625
mRNA Refseq	NM_052845
Protein Refseq	NP_443077
MIM	607568
UniProt ID	Q96EY8
Chromosome Location	12q24
Pathway	Cobalamin (Cbl, vitamin B12) transport and metabolism, organism-specific biosystem;

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	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem
Function	ATP binding; cob(I)yrinic acid a,c-diamide adenosyltransferase activity; cob(I)yrinic acid a,c-diamide adenosyltransferase activity

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