

## Recombinant Human MMAB, GST-tagged

Cat. No. MMAB-630H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MMAB(1 a.a. - 100 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	1-100 a.a.
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	36.74 kDa
<b>AA Sequence</b>	MAVCGLGSRLGLGSRLGLRGCFGAARLLYPRFQSRGPQGVEDGDRPQPSSKTPRI PKIYTKTGDKGFSSTFTGER RPKDDQVFEAVGTTDELSSAIGFAL
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MMAB methylmalonic aciduria (cobalamin deficiency) cbIB type [ Homo sapiens ]
<b>Official Symbol</b>	MMAB
<b>Synonyms</b>	ATR; cob; cbIB; 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
<b>Gene ID</b>	<a href="#">326625</a>
<b>mRNA Refseq</b>	<a href="#">NM_052845</a>
<b>Protein Refseq</b>	<a href="#">NP_443077</a>
<b>MIM</b>	<a href="#">607568</a>
<b>UniProt ID</b>	<a href="#">Q96EY8</a>
<b>Chromosome Location</b>	12q24
<b>Pathway</b>	Cobalamin (Cbl, vitamin B12) transport and metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem

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**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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