

# Recombinant Human MMAB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MMAB-3185H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	MMAB MS Standard C13 and N15-labeled recombinant protein (NP_443077) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	27.4 kDa
<b>AA Sequence</b>	MAVCGLGSRLGLGSRLGLRGCFGAARLLYPRFQSRGPQGVEDGDRPQPSSKTPRI PKIYTKTGDKGFSSTFTGERRPKDDQVFEAVGTTDELSSAIGFALELVTEKGHTFAEE LQKIQCTLQDVGSALATPCSSAREHLKYTTFKAGPILELEQWIDKYTSQLPLTAFIL PSGGKISSALHFCRAVCRRRAERRVVPLVQMGETDANVAKFLNRLSDYLFTLARYAA MKEGNQEKIYMKNDPSAESEGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** MMAB metabolism of cobalamin associated B [ Homo sapiens (human) ]

**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; ATP:corrinoic adenosyltransferase; methylmalonic aciduria type B protein; aquocob(I)alamin vitamin B12s adenosyltransferase; ATR; cob; MGC20496;

**Gene ID** 326625

**mRNA Refseq** NM\_052845

**Protein Refseq** NP\_443077

**MIM** 607568

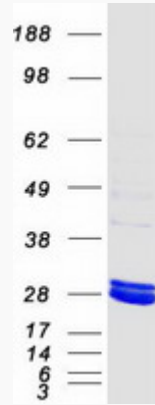
**UniProt ID** Q96EY8

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SDS-PAGE



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