

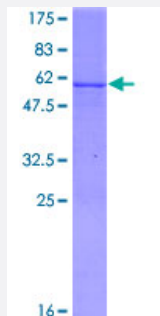
Full-Length

MMAB (Human) Recombinant Protein (P01)

Catalog # H00326625-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MMAB full-length ORF (NP_443077.1, 1 a.a. - 250 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAVCGLGSRLGLGSRLGLRGCFGAARLLYPRFQSRGPQGVEDGDRPQPSSKTPRIPKIYTKTGD
KGFSSFTTGERRPKDDQVFEAVGTTDELSSAIGFALELVTEKGHTFAEELQKIQCTLQDVGSALAT
PCSSAREAHLKYTTFKAGPILELEQWIDKYTSQLPPLTAFILPSGGKISSALHFCRAVCRAERRVV
PLVQMGETDANVAKFLNRLSDYLFLLARYAAMKEGNQEKIYMKNDPSAESEGL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53.8

Preparation Method
[in vitro wheat germ expression system](#)
Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MMAB

Entrez GeneID [326625](#)

GeneBank Accession# [NM_052845.2](#)

Protein Accession# [NP_443077.1](#)

Gene Name MMAB

Gene Alias ATR, MGC20496

Gene Description methylmalonic aciduria (cobalamin deficiency) cblB type

Omim ID [251110 607568](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations ATP:cob(I)alamin adenosyltransferase|ATP:corrinoid adenosyltransferase|aquocob(I)alamin vitamin B12s adenosyltransferase|cob(I)alamin adenosyltransferase|cob(I)yrinic acid a,c-diamide adenosyltransferase|methylmalonic aciduria type B protein

Pathway

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)

Disease

- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Hypertriglyceridemia](#)