

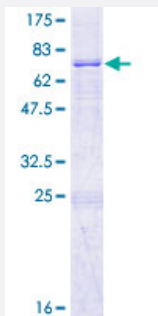
Full-Length

MMAA (Human) Recombinant Protein (P01)

Catalog # H00166785-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MMAA full-length ORF (NP_758454.1, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPMLLPHPHQHFLKGLLRAPFRCYHFIFHSSTHLGSGIPCAQPFNSLGLHCTKWMLLSDGLKRKL
CVQTTLKDHTGLSDKEQRFVDKLYTGLIQGQRACLAEAITLVESTHSRKKELAQVLLQKVLLYHR
EQEQSNKGKPLAFRVGLSGPPGAGKSTFIEYFGKMLTERGHKLSVLAVDPSSCTSGGSLLGDKT
RMTELSRDMNAYIRPSPTRGTLGGVTRTTNEAILLCEGAGYDIIETVGVGQSEFAVADMVDMFVL
LLPPAGGDELQGIKRGIIEMADLVAVTKSDGDLVPARRIAEYVSALKLLRKRSQVWPKPVIRISAR
SGEGISEMWDKMKDFQDLMLASGELTAKRRKQQKVWMMWNLIQESVLEHFRTHTPTVREQIPLEEQ
KVLIGALSPGLAADFLLKAFKSRD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.9

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 — MMAA

Entrez GeneID [166785](#)**GeneBank Accession#** [NM_172250.1](#)**Protein Accession#** [NP_758454.1](#)**Gene Name** MMAA**Gene Alias** MGC120010, MGC120011, MGC120012, MGC120013**Gene Description** methylmalonic aciduria (cobalamin deficiency) cblA type**Omim ID** [251100 607481](#)**Gene Ontology** [Hyperlink](#)

Gene Summary The protein encoded by this gene is involved in the translocation of cobalamin into the mitochondrion, where it is used in the final steps of adenosylcobalamin synthesis. Adenosylcobalamin is a coenzyme required for the activity of methylmalonyl-CoA mutase. Defects in this gene are a cause of methylmalonic aciduria. [provided by RefSeq]

Other Designations methylmalonic aciduria type A