

Recombinant Full Length Human MMAA Protein, GST-tagged

Cat. No. MMAA-6384HF Lot. No. (See product label)

SPECIFICATION

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

Species Human

Source In Vitro Cell Free System

ProteinLength 418 amino acids

Description 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]

Molecular Mass 72.9 kDa

AA Sequence

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MPMLLPHPHQHFLKGLLRAPFRCYHFIFHSSTHLGSGIPCAQPFFNSLGLHCTKWMLL
SDGLKRKLCVQTTLKDHTTEGLSDKEQRFVDKLYTGLIQGQRACLAEAITLVESTHSR
KKELAQVLLQKVLLYHREQEQSNGKPLAFRVGLSGPPGAGKSTFIEYFGKMLTER
GHKLSVLAVDPSSCTSGGSLLDGDKTRMTELSRDMNAYIRPSPTRGTLGGVTRTTNE
AILLCEGAGYDIILTIETVGVGQSEFAVADMVDMFVLLLPPAGGDELQGIKRGIIEMADL
VAVTKSDGDLIVPARRIQAEYVSALKLLRKRQVWPKVIRISARSGEGISEMWDKM
KDFQDLMLASGELTAKRRKQKQVMMWNLIQESVLEHFRTHPTVREQIPLLEQKVLIG
ALSPGLAADFLLKAFKSRD
    
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Applications	Antibody Production Functional Study Compound Screening
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MMAA methylmalonic aciduria (cobalamin deficiency) cblA type [Homo sapiens]
Official Symbol	MMAA
Synonyms	MMAA; methylmalonic aciduria (cobalamin deficiency) cblA type; methylmalonic aciduria (cobalamin deficiency) type A; methylmalonic aciduria type A protein, mitochondrial; cblA; MGC120010; MGC120011; MGC120012; MGC120013;
Gene ID	166785
mRNA Refseq	NM_172250
Protein Refseq	NP_758454
MIM	607481
UniProt ID	Q8IVH4

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