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Product datasheet for TP506557

Mmaa (NM_133823) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse methylmalonic aciduria (cobalamin deficiency) type A (Mmaa), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206557 protein sequence Red=Cloning site Green=Tags(s) MTISTLLLSPNRRLLTCLSRVPSPWLLHSSPPAPGPPGALPNCFGHHCTKRVLLSDGFRRTLCVQATLKD HTEGLSDKEQRFVDRLYTGLVKGQRACLAEAITLVESTHTRKRELAQVLLQRVLALQREQELRNQGKPLT FRVGLSGPPGAGKSTFIECFGKMLTEQGHRLSVLAVDPSSCTSGGSLLGDKTRMIELSRDMNAYIRPSPT SGTLGGVTRTTNEAIVLCEGGGYDIILIETVGVGQSEFAVADMVDMFVLLLPPAGGDELQGIKRGIIEMA DLVVITKSDGDLIVPARRIQAEYVSALKLLRRRSEVWRPKVIRISARSGEGITEMWDTMREFQHQMLASG ELAAKRQTQHKVWMWNLIQENVLEHFKTHPSIREQIPLMERKVLSGALSPGRAADLLLKAFKSRH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	45.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_598584
Locus ID:	109136
UniProt ID:	Q8C7H1

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RefSeq Size:	2843
Cytogenetics:	8 C1
RefSeq ORF:	1248
Synonyms:	2810018E08Rik; AI840684
Summary:	GTPase, binds and hydrolyzes GTP. Involved in intracellular vitamin B12 metabolism, mediates the transport of cobalamin (Cbl) into mitochondria for the final steps of adenosylcobalamin (AdoCbl) synthesis. Functions as a G-protein chaperone that assists AdoCbl cofactor delivery from MMAB to the methylmalonyl-CoA mutase (MMUT) and reactivation of the enzyme during catalysis.[UniProtKB/Swiss-Prot Function]