

Recombinant Mouse Mmaa Protein, MYC/DDK-tagged

Cat. No. Mmaa-404M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse methylmalonic aciduria (cobalamin deficiency) type A (Mmaa), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	45.9 kDa
Purity	>80%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 ug/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mmaa methylmalonic aciduria (cobalamin deficiency) type A [Mus musculus (house mouse)]

Official Symbol Mmaa

Synonyms Mmaa; methylmalonic aciduria (cobalamin deficiency) type A; AI840684; 2810018E08Rik; methylmalonic aciduria type A homolog, mitochondrial

Gene ID 109136

mRNA Refseq NM_133823

Protein Refseq NP_598584

UniProt ID Q8C7H1

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