



# Recombinant Mouse Methylmalonyl-CoA mutase, mitochondrial (Mmut)

<b>Product Code</b>	CSB-MP015243MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P16332
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LHQQQPLHPE WAVLAKKQLK GKNPEDLIWH TPEGISIKPL YSRADTLDLP EELPGVKPFT RGPYPTMYTY RPWTIRQYAG FSTVEESNKF YKDNKAGQQ GLSVAFDLAT HRGYDSDNPR VRGDVGMAGV AIDTVEDTKI LFDGIPLEKM SVSMTMNGAV IPVLATFIVT GEEQGVPEK LTGTIQNDIL KEFMVRNTYI FPPEPSMKII ADIFQYTAQH MPKFNSISIS GYHMQEAGAD AILELAYTIA DGLEYCRTGL QAGLTIDEFA PRLSFFWGIG MNFYMEIAKM RAGRRLWAHL IEKMFQPKNS KLLLLRAHCQ TSGWSLSEQD PYNIVRTAI EMAAVFGGT QSLHTNSFDE ALGLPTVKSAR IARNTQIII QEESGIPKVA DPWGGSYMME SLTNDVYEAA LKLIYEVEEM GGMAKAVAEG IPKLRIEECA ARRQARIDSG SEVIVGVNKY QLEKEDSVEV LAIDNTSVRK KQIEKLLKIK SSRDQALAEQ CLSALTQCAA SGDGNILALA VDAARARCTV GEITDALKKV FGEHKANDRM VSGAYRQEFQ ESKEITSAIK RVNKFMEREG RRPRLLVAKM GQDGHDRGAK VIATGFADLG FDVDIGPLFQ TPREVAQQAV DADVHAVGVS TLAAGHKTIV PELIKELTAL GRPDILVMCG GVIPPQDYEF LYEVGVSNVF GPGTRIPRAA VQVLDDIEKC LAEKQQSV
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Mut
<b>Protein Names</b>	Recommended name: Methylmalonyl-CoA mutase, mitochondrial Short name= MCM EC= 5.4.99.2 Alternative name(s): Methylmalonyl-CoA isomerase
<b>Expression Region</b>	31-748
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes the mitochondrial enzyme methylmalonyl Coenzyme A mutase. In humans, the product of this gene is a vitamin B12-dependent enzyme which catalyzes the isomerization of methylmalonyl-CoA to succinyl- CoA, while in other species this enzyme may have different functions. Mutations in this gene may lead to various types of methylmalonic aciduria.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.