

Recombinant Mouse MMUT Protein (31-748 aa), His-tagged

Cat. No. MMUT-1995M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MMUT Protein (31-748 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	E.coli
ProteinLength	31-748 aa
Description	Involved in the degradation of several amino acids, odd-chain fatty acids and cholesterol via propionyl-CoA to the tricarboxylic acid cycle.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	83.2 kDa
AA Sequence	LHQQQPLHPEWAVLAKKQLKGKNPEDLIWHTPEGISIKPLYSRADTLDLPEELPGVK PFTRGPYPTMYTYRPWTIRQYAGFSTVEESNKFYKDNKAGQQGLSVAFDLATHRG YSDNPRVRGVDVGMAGVAIDTVEDTKILFDGIPLEKMSVSMTMNGAVIPVLATFIVTG EEQGVPEKELTGTIQNDILKEFMVRNTYIFPPEPSMKIADIFQYTAQHMPKFNSISISG YHMQEAGADAILELAYTIADGLEYCRTGLQAGLTIDEFAPRLSFFWGIGMNFYMEIAK MRAGRRLWAHLIEKMFQPKNSKSLLLRAHCQTSGWSLTEQDPYNNIVRTAIEAMAA VFGGTQSLHTNSFDEALGLPTVKSARIARNTQIIQEESGIPKVADPWGGSYMMESLT NDVYEAALKLIYEVEEMGGMAKAVAEGIPKLRIEECAARRQARIDSGSEVIVGVNKYQ

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LEKEDSVEVLAI DNTSVRKKQIEKLKKIKSSRDQALAEQCLSALTQCAASGDGNILALA
 VDAARARCTVGEITDALKKVFGGEHKANDRMVSGAYRQEFGESKEITSAIKRVNKFME
 REGRRPRLLVAKMGQDGHDRGAKVIATGFADLGFDVDIGPLFQTPREVAQQA V DAD
 VHAVGVSTLAAGHKTLVPELIKELTALGRPDILVMCGGVIPPQDYEFLEYE V GVS NVFG
 PGTRIPRAAVQVLDDIEKCLAEKQQSV

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name Mmut methylmalonyl-Coenzyme A mutase [Mus musculus (house mouse)]

Official Symbol MMUT

Synonyms Mcm; Mut; D230010K02Rik;

Gene ID 17850

mRNA Refseq NM_008650

Protein Refseq NP_032676

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UniProt ID

P16332



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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