



Recombinant Mouse MUT Protein Product Manual

1. Product Basic Information

Product No.: REP07532

Protein Name: Methylmalonyl-CoA Mutase (MUT)

Aliases: methylmalonyl-CoA mutase

UniProt ID: P22033

UniProt Link: <https://www.uniprot.org/uniprotkb/P22033/entry>

Species Source: Mus musculus (Mouse)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (31-748aa)

Molecular Weight: 80.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (31-748aa)

LHQQQPLHPEWAVLAKKQLKGKNPEDLIWHTPEGISIKPLYSRADTLDLPEELPGVK
PFTRGPYPTMYTYRPWTIRQYAGFSTVEESNKFYKDNKAGQQGLSVAFDLATHRG
YSDNPRVRGDMAGVAIDTVEDTKILFDGIPLEKMSVSMTMNGAVIPVLATFIVT
GEEQGVPEKELTGTIQNDILKEFMVRNTYIFPPEPSMKIADIFQYTAQHMPKFNSISI
SGYHMQEAGADAILELAYTIADGLECYCRTGLQAGLTIDEFAPRLSFFWGIGMNFYME
IAKMRAGRRLWAHLIEKMFQPKNSKSLLLRAHCQTSGWSLTEQDPYNNIVRTAIEA
MAAVFGGTQSLHTNSFDEALGLPTVKSARIARNTQIIQEESGIPKVADPWGGSYMM
ESLTNDVYEAALKLIYEVEEMGGMAKAVAEGIPKLRIECAARRQARIDSGSEVIVGV
NKYQLEKEDSVEVLADNTSVRKKQIEKLKKIKSSRDQALAEQCLSALTQCAASGDG
NILALAVDAARARCTVGEITDALKKVFGHEKANDRMVSGAYRQEFGESKEITSAIKR
VNKFMEREGRRPRLLVAKMGQDGHDRGAKVIATGFADLGFDVDIGPLFQTPREVA
QQAVDADVHAVGVSTLAAGHKTLVPELIKELTALGRPDILVMCGGVIPPQDYEFLEYE
VGVSNVFGPGTRIPRAAVQVLDDIEKCLAEKQQSV

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse MUT full length of mature protein protein (31-748aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MUT, also known as methylmalonyl-CoA mutase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.