



Recombinant Human MLYCD Protein Product Manual

1. Product Basic Information

Product No.: REP07467

Protein Name: Malonyl-CoA Decarboxylase (MLYCD)

Aliases: malonyl-CoA decarboxylase; malonyl coenzyme A decarboxylase; malonyl-CoA decarboxylase, mitochondrial

UniProt ID: O95822

UniProt Link: <https://www.uniprot.org/uniprotkb/O95822/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (40-493aa)

Molecular Weight: 55.9kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (40-493aa)

MDELLRRAPPTPAYELREKTPAPAEQGQCADFVSFYGGLAETAQRAELLGRLARGF
GVDHGQVAEQSAGVLHLRQQQREAAVLLQAEDRLRYALVPRYRGLFHHISKLDGG
VRFLVQLRADLLEAQALKLVEGPDVREMNGVLKGMMLSEWFSSGFLNLERVTWHSP
CEVLQKISEAEAVHPVKNWMDMKRRVGPYRRCYFFSHCSTPGEPLVVLHVALTGDI
SSNIQAIVKEHPPSETEEKNKITAIFYSISLTQQGLQGVELGTFLIKRVVKELQREFP
HLGVFSSLSPIPGFTKWLLGLLNSQTKEHGRNELFTDSECKEISEITGGPINETLKLLL
SSSEWVQSEKLVRLALQTPLMRLCAWYLYGEKHRGYALNPVANFHLQNGAVLWRIN
WMADVSLRGITGSCGLMANYRYFLEETGPNSTSYLGSKIHKASEQVLSLVAQFQKN
SKL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



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 Human MLYCD full length of mature protein protein (40-493aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. MLYCD, also known as malonyl-CoA decarboxylase or malonyl coenzyme A decarboxylase or malonyl-CoA decarboxylase, mitochondrial, 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.