

Recombinant Mouse Mlycd Protein, His-tagged

Cat. No. Mlycd-1782M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mlycd Protein (Ser190-Leu492) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser190-Leu492
Description	Enables malonyl-CoA decarboxylase activity. Involved in malonyl-CoA catabolic process and positive regulation of fatty acid oxidation. Located in mitochondrial matrix. Is expressed in several structures, including alimentary system; nervous system; nose; respiratory system; and urinary system. Human ortholog(s) of this gene implicated in cardiomyopathy. Orthologous to human MLYCD (malonyl-CoA decarboxylase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.7 kDa Accurate Molecular Mass: 37 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Mlycd malonyl-CoA decarboxylase [Mus musculus (house mouse)]
Official Symbol	Mlycd
Synonyms	MLYCD; malonyl-CoA decarboxylase; malonyl-CoA decarboxylase, mitochondrial; Mcd; AI324784;
Gene ID	56690
mRNA Refseq	NM_019966
Protein Refseq	NP_064350
UniProt ID	Q99J39

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