

Recombinant Human MLYCD cell lysate

Cat. No. MLYCD-1119HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The product of this gene catalyzes the breakdown of malonyl-CoA to acetyl-CoA and carbon dioxide. Malonyl-CoA is an intermediate in fatty acid biosynthesis, and also inhibits the transport of fatty acyl CoAs into mitochondria. Consequently, the encoded protein acts to increase the rate of fatty acid oxidation. It is found in mitochondria, peroxisomes, and the cytoplasm. Mutations in this gene result in malonyl-CoA decarboxylase deficiency.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	MLYCD malonyl-CoA decarboxylase [Homo sapiens]
Official Symbol	MLYCD
Synonyms	MLYCD; malonyl-CoA decarboxylase; malonyl-CoA decarboxylase, mitochondrial; hMCD; MCD; malonyl coenzyme A decarboxylase; MGC59795;

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Gene ID	23417
mRNA Refseq	NM_012213
Protein Refseq	NP_036345
MIM	606761
UniProt ID	O95822
Chromosome Location	16q24
Pathway	Malonate semialdehyde pathway, propanoyl-CoA =>Acetyl-CoA, organism-specific biosystem; Malonate semialdehyde pathway, propanoyl-CoA => Acetyl-CoA, conserved biosystem; Metabolic pathways, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
Function	lyase activity; malonyl-CoA decarboxylase activity;

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