

Malonyl-CoA decarboxylase, mitochondrial (MLYCD), partial Recombinant Protein | MLYCD recombinant protein

Recombinant Human Malonyl-CoA decarboxylase, mitochondrial (MLYCD), partial

CATALOG # AAA115742	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

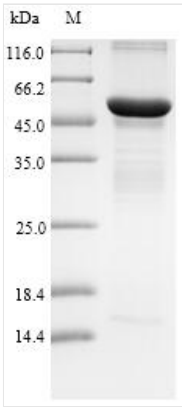
PRODUCT SYNONYMS

Malonyl-CoA decarboxylase; mitochondrial (MLYCD); partial; Recombinant Human Malonyl-CoA decarboxylase; mitochondrial; MCD; EC=4.1.1.9; MLYCD recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	40-493AA; Full Length of Mature Protein
Sequence	MDELLRRAVP PTPAYELREK TPAPAEQGCA DFVSFYGGGLA ETAQRAELLG RLARGFGVDH GQVAEQSAGV LHLRQQQREA AVLLQAEDRL RYALVPRYRG LFHHISKLDG GVRFLVQLRA DLLEAQALKL VEGPDVREM N GVLKGMLEW FSSGFLNLER VTWHSPCEVL QKISEAEAVH PVKNWMDMKR RVGPYRRCYF FSHCSTPGE P LVVLHVALTG DISSNIQAIK KEHPPSETEE KNKITAAIFY SISLTQQGLQ GVELGTFLIK RVVKELQREF PHLGVFSSLS PIPGFTKWLL GLLNSQTKEH GRNELFTDSE CKEISEITGG PINETLKLLL SSSEWVQSEK LVRALQTPLM RLCWYLYGE KHRGYALNPV ANFHLQNGAV LWRINWMADV SLRGITGSCG LMANYRYFLE ETGPNSTSYL GSKIKASEQ VLSLVAQFQK NSKL
Sequence Length	493
Species	Homo sapiens (Human)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MLYCD recombinant protein

Catalyzes the conversion of malonyl-CoA to acetyl-CoA. In the fatty acid biosynthesis MCD selectively removes malonyl-CoA and thus assures that methyl-malonyl-CoA is the only chain elongating substrate for fatty acid synthase and that fatty acids with multiple methyl side chains are produced. In peroxisomes it may be involved in degrading intraperoxisomal malonyl-CoA, which is generated by the peroxisomal beta-oxidation of odd chain-length dicarboxylic fatty acids. Plays a role in the metabolic balance between glucose and lipid oxidation in muscle independent of alterations in insulin signaling. May play a role in controlling the extent of ischemic injury by promoting glucose oxidation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110349750
NCBI GeneID	23417
NCBI Accession #	NP_036345.2
NCBI GenBank Nucleotide #	NM_012213.2
UniProt Accession #	O95822; Q9UNU5; Q9Y3F2
Molecular Weight	55.9 kDa
NCBI Official Full Name	malonyl-CoA decarboxylase, mitochondrial
NCBI Official Synonym Full Names	malonyl-CoA decarboxylase
NCBI Official Symbol	MLYCD
NCBI Official Synonym Symbols	MCD
NCBI Protein Information	malonyl-CoA decarboxylase, mitochondrial; malonyl coenzyme A decarboxylase
UniProt Protein Name	Malonyl-CoA decarboxylase, mitochondrial
UniProt Gene Name	MLYCD
UniProt Synonym Gene Names	MCD
UniProt Entry Name	DCMC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.