

Product datasheet for TP507886

Mlycd (NM_019966) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse malonyl-CoA decarboxylase (Mlycd), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207886 representing NM_019966 Red=Cloning site Green=Tags(s)

MRGLGPGLRARRLLPLRSPRPPGPRGRRLCGGLAASAMDELLRRAVPPTPAYELREKTPAPAEGQCADF
VSFYGGLAESQRAELLGRLAQGFVDHGVQVAEQSAGVLQRQQAREAAVLLQAEDRLRYALVPRYRGLF
HHISKLDGGVRFVQLRADLLEAQALKLVEGPHVREMNGVLKSMSEWFSSGFLNLERVTWHSPCEVLQK
ISECEAVHPVKNWMDMKRRVGPYRRCYFFSHCSTPGEPLVVLHVALTGDISNNIQGIVKECPPTETEERN
RIAAAFYISISLTQQQLQGVELGTFLIKRVVKELQKEFPQLGAFSSLSPIPGFTKWLLGLLNVQGEHGR
NELFTDSECQEISAVTGNPVHESLKGFLSSGEWVKSEKLTQALQGPLMRLCAWYLYGEKHRGYALNPVAN
FHLQNGAVMWRINWMADSSLKGLTSSCGLMVNYRYLEETGPNSISYLGSKNIKASEQILSLVAQFQNS
KL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	55.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_064350



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Locus ID: 56690

UniProt ID: [Q99J39](#)

RefSeq Size: 2116

Cytogenetics: 8 E1

RefSeq ORF: 1476

Synonyms: AI324784; Mcd

Summary: 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. Plays a role in controlling the extent of ischemic injury by promoting glucose oxidation.[UniProtKB/Swiss-Prot Function]