

Product datasheet for **TP505958**

Mcat (NM_001030014) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse malonyl CoA:ACP acyltransferase (mitochondrial) (Mcat), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205958 representing NM_001030014 Red =Cloning site Green =Tags(s)

MSARVARAGWAWRSWGRRAASSLREPPDAVDVAELLRDSSVAEEGAQEAVARRRPPSQCSVLLFPGQGC
QAVGMGSGLLHLPRVRQLYEAAHRVLGYDLLELCLRGPQEDLDRTVHCQPAVFNASLAAVEKLHHLQPAV
IDNCVAAAGFSVGEFAALVFAGAMDFSEGLYAVKARAEAMQEASEAVPSGMLSVLGQRQSNFSFACLEAQ
EHCKSLGIENPVCQVSNYLFPCRVISGHLEALQFLRRNSAKYHFRRTKMLPVSJGGFHTCLMEPAVDPLM
KVLGSINIKKPLVAVHSNVSGQKYTHPQHIRKLLGQQVSPVKWEQTMHSHYERKKGMFEPSTYEVGPGQ
QLGSILKCCNRQAWKSYSHVDVMQNIMDPDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	41.9 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:	<u>NP_001025185</u>
Locus ID:	223722
UniProt ID:	<u>Q8R3F5</u>



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RefSeq Size: 1893

Cytogenetics: 15 E1

RefSeq ORF: 1143

Synonyms: A1225907; BC025519

Summary: Catalyzes the transfer of a malonyl moiety from malonyl-CoA to the free thiol group of the phosphopantetheine arm of the mitochondrial ACP protein (NDUFAB1). This suggests the existence of the biosynthesis of fatty acids in mitochondria (By similarity).[UniProtKB/Swiss-Prot Function]