Recombinant Mouse Mcat Protein, Myc/DDK-tagged

Cat. No. Mcat-3989M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length malonyl CoA:ACP acyltransferase (mitochondrial) (Mcat), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	41.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Mcat malonyl CoA:ACP acyltransferase (mitochondrial) [Mus musculus (house mouse)]
Official Symbol	Mcat
Synonyms	MCAT; malonyl CoA:ACP acyltransferase (mitochondrial); malonyl-CoA-acyl carrier protein transacylase, mitochondrial; MCT; mitochondrial malonyltransferase; [Acyl-carrier-protein] malonyltransferase; malonyl CoA-acyl carrier protein transacylase, mitochondrial; AI225907; BC025519
Gene ID	223722
mRNA Refseq	NM_001030014
Protein Refseq	NP_001025185
UniProt ID	Q8R3F5

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