

Recombinant Mouse Mcat Protein, Myc/DDK-tagged

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

SPECIFICATION

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|-------------------------|---|
| 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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 45-1 Ramsey Road, Shirley, NY 11967, USA



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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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