

Recombinant Human MCAT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MCAT-5054H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MCAT MS Standard C13 and N15-labeled recombinant protein (NP_775738) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is found exclusively in the mitochondrion, where it catalyzes the transfer of a malonyl group from malonyl-CoA to the mitochondrial acyl carrier protein. The encoded protein may be part of a fatty acid synthase complex that is more like the type II prokaryotic and plastid complexes rather than the type I human cytosolic complex. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	42.9 kDa
AA Sequence	MSVRVARVAWVRGLGASYRRGASSFPVPPPGAQGVAE LLRDATGAE EEEAPWAAT ERRMPGQCSVLLFPGQGSQVVG MGRG LLNYPRVRELYAAARRVLGYDLLELSLHG PQETLDRTVHCQPAIFVASLA AVEKLHHLQPSVIENCVAAAGFSVGEFAALVFAGAM EFAEGLYAVKIRAEAMQEASEAVPSGMLS VLGQPQSKFNFACLEARHCKSLGIENP VCEVSNYLFPDCRVISGHQEALRFLQKNSSKFHFRTRMLPVSGAFHTRLMEPAVE PLTQALKAVDIKKPLVSVYSNVHGHRYRHPGHIHKLLAQQLVSPVKWEQTMHAIYER KKGRGFPQTFEVGPRQLGAILKSCNMQAWKSYS AVDVLQ TLEHVDLDPQEPPRT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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



RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [MCAT malonyl-CoA-acyl carrier protein transacylase \[Homo sapiens \(human\) \]](#)

Official Symbol [MCAT](#)

Synonyms MCAT; malonyl CoA:ACP acyltransferase (mitochondrial); malonyl-CoA-acyl carrier protein transacylase, mitochondrial; fabD; FASN2C; MCT; MT; NET62; mitochondrial malonyltransferase; [Acyl-carrier-protein] malonyltransferase; mitochondrial malonyl CoA:ACP acyltransferase; malonyl-CoA:acyl carrier protein transacylase, mitochondrial; MGC47838;

Gene ID [27349](#)

mRNA Refseq [NM_173467](#)

Protein Refseq [NP_775738](#)

Tel: 1-631-559-9269 1-516-512-3133

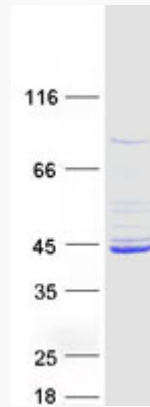
Email: info@creative-biomart.com Fax: 1-631-938-8127

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

MIM 614479

UniProt ID Q8IVS2

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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