

## Product datasheet for TP307943M

#### OriGene Technologies, Inc.

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## MT (MCAT) (NM\_173467) Human Recombinant Protein

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human malonyl CoA:ACP acyltransferase (mitochondrial) (MCAT),

nuclear gene encoding mitochondrial protein, transcript variant 1, 100 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC207943 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MSVRVARVAWVRGLGASYRRGASSFPVPPPGAQGVAELLRDATGAEEEAPWAATERRMPGQCSVLLFPGQGSQVVGMGRGLLNYPRVRELYAAARRVLGYDLLELSLHGPQETLDRTVHCQPAIFVASLAAVEKLHHLQPSVIENCVAAAGFSVGEFAALVFAGAMEFAEGLYAVKIRAEAMQEASEAVPSGMLSVLGQPQSKFNFACLEAREHCKSLGIENPVCEVSNYLFPDCRVISGHQEALRFLQKNSSKFHFRRTRMLPVSGAFHTRLMEPAVEPLTQALKAVDIKKPLVSVYSNVHGHRYRHPGHIHKLLAQQLVSPVKWEQTMHAIYERKKGRGFPQTFEVGP

GRQLGAILKSCNMQAWKSYSAVDVLQTLEHVDLDPQEPPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 40.6 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

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

**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.

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 775738





Locus ID: 27349

UniProt ID: Q8IVS2 RefSeq Size: 2086 Cytogenetics: 22q13.2 RefSeq ORF: 1170

Synonyms: fabD; FASN2C; MCT; MCT1; MT; NET62

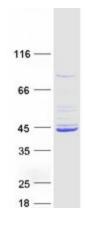
**Summary:** The protein encoded by this gene is found exclusively in the mitochondrion, where it catalyzes

> 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. [provided by RefSeq,

Mar 2012]

Fatty acid biosynthesis, Metabolic pathways **Protein Pathways:** 

# **Product images:**



Coomassie blue staining of purified MCAT protein (Cat# [TP307943]). The protein was produced from HEK293T cells transfected with MCAT cDNA clone (Cat# [RC207943]) using MegaTran 2.0 (Cat# [TT210002]).