

Product datasheet for PH307943

MT (MCAT) (NM_173467) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MCAT MS Standard C13 and N15-labeled recombinant protein (NP_775738)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207943
Predicted MW:	42.9 kDa
Protein Sequence:	>RC207943 protein sequence Red =Cloning site Green =Tags(s)

MSVRVARVAWVRGLGASYRRGASSFPVPPGAQGVAEELLRDATGAEEAPWAATERRMPGQCSVLLFPGQ
 GSQVVGMRGLLNYPVRELAAAARRVLGYDLLESLHGPQETLDRTVHCQPAIFVASLAAVEKLHHLQP
 SVIENCVAAGFSVGEFAALVFAGAMEFAEGLYAVKIRAEAMQEASEAVPSGMLSVLGQPQSKFNFACLE
 AREHCKSLGIENPVCEVSNYLFPDCRVISGHQEALRFLQKNSSKFHFRTRMLPVSGAFHTRLMEPAVEP
 LTQALKAVDIKKPLVSVYSNVHGHRYRHPGHIHKLLAQQLVSPVKWEQTMHAIYERKKGRGFPQTFEVGP
 GRQLGAILKSCNMQAWKSYSADVLTLEHVDLPQEPPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_775738</u>
RefSeq Size:	2086
RefSeq ORF:	1170
Synonyms:	fabD; FASN2C; MCT; MCT1; MT; NET62
Locus ID:	27349


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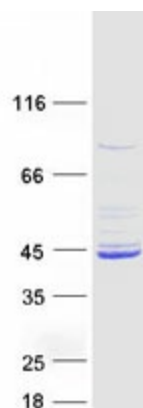
UniProt ID: Q8IVS2

Cytogenetics: 22q13.2

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]

Protein Pathways: Fatty acid biosynthesis, Metabolic 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]).