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Product datasheet for TP505775

Mecr (NM_025297) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitochondrial trans-2-enoyl-CoA reductase (Mecr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205775 protein sequence Red=Cloning site Green=Tags(s) MLVSQRVTGARARAPQLAGLLEAWYRHGRTTSSYSALSEPSRVRALVYGNHGDPAKVVQLKNLELTAVEG SDVHVRMLAAPINPSDINMIQGNYGLLPKLPAVGGNEGVGQVIAVGSSVSALKPGDWVIPANAGLGTWRT EAVFSEEALIGIPKDIPLQSAATLGVNPCTAYRMLVDFEQLQPGDSVIQNASNSGVGQAVIQIASALRLK TINVVRDRPDIKKLTDRLKDLGADYVLTEEELRMPETKTIFKDLPLPRLALNCVGGKSSTELLRHLAPGG TMVTYGGMAKQPVTASVSLLIFKDLKLRGFWLSQWKKNHSPDEFKELILTLCNLIRQGRLTAPSCSEVPL QGYQQALEASMKPFVSSKQILTM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	40.3 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
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 after receiving vials.
Stability:	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_079573
Locus ID:	26922
UniProt ID:	Q9DCS3

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RefSeq Size:	1337
Cytogenetics:	4 D2.3
RefSeq ORF:	1122
Synonyms:	AI195831; NRBF-1; Nrbf1
Summary:	Catalyzes the NADPH-dependent reduction of trans-2-enoyl thioesters in mitochondrial fatty acid synthesis (fatty acid synthesis type II). Fatty acid chain elongation in mitochondria uses acyl carrier protein (ACP) as an acyl group carrier, but the enzyme accepts both ACP and CoA thioesters as substrates in vitro. Has a preference for short and medium chain substrates, including trans-2-hexenoyl-CoA (C6), trans-2-decenoyl-CoA (C10), and trans-2-hexadecenoyl-CoA (C16).[UniProtKB/Swiss-Prot Function]