

Product datasheet for TP516278

Cpt2 (NM_009949) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse carnitine palmitoyltransferase 2 (Cpt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216278 protein sequence Red=Cloning site Green=Tags(s)

MMPRLLLRDWPRCPSLVLGAPSRPLSAVSGPAEYLQHSIVPTMHYQDSLPRLPKLEDTMKRYLSAQKPLLND SQFRKTEVLCKDFENGIGKELHAHLLA QDKQNKHTSYISGPWFDMYLTARDSVVLNFPNFMAFNPDPKSEYNDQLTRATNLT VSAVRFLKTLRAGLLEPEVFH LNPARDSDTDAFKRLIRFVPSLSWYGAYLVNAYPLDMSQYFRLFNSTRIPKPSRDELFTDTKARHLLVLRKGFVFDVLDQDGNIVNPSEIQAHLKYILSDSPVPEFPLAYLTSEN RDVWAE LRQKLIHGGNEETLRKVDSAVFCLCLDDFPMKDLVHLSHTMLHGDGTNRWFDKSFNLIVAKDGTAAVHFEHAWGDGVAVLRFNEVFRDSTQTPAIAPQSQAATDSSVSVQKLSFKLSALKAGVTAAKEKFDATMKT LTIDAIQFQRGGKEFLKKK LSPDAVAQLAFQMAFLRQYGGQTVATYESCS TAAFKHGRTETIRPASIFTKRCSEAFVREPSKHSV GELQHMMAECSKYHGQLTKEAAMGQGFDRLHFALRYLAAARGVTLPELYQDPAYQRINHNLSTLSSPAVSLGGFAPVVPDGFGIAYAVHDDWIGCNVSSYSGRNAREFLHCVQKCLED MFDALEGKAIKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	74 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.



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RefSeq:	NP_034079
Locus ID:	12896
UniProt ID:	P52825 , Q3UN55
RefSeq Size:	2366
Cytogenetics:	4 50.18 cM
RefSeq ORF:	1977
Synonyms:	A1323697; CPTII
Summary:	Involved in the intramitochondrial synthesis of acylcarnitines from accumulated acyl-CoA metabolites. Reconverts acylcarnitines back into the respective acyl-CoA esters that can then undergo beta-oxidation, an essential step for the mitochondrial uptake of long-chain fatty acids and their subsequent beta-oxidation in the mitochondrion. Active with medium (C8-C12) and long-chain (C14-C18) acyl-CoA esters.[UniProtKB/Swiss-Prot Function]