

## Product datasheet for **TP510568**

### Cpt1a (NM\_013495) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse carnitine palmitoyltransferase 1a, liver (Cpt1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210568 representing NM_013495 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAEAHQAVAFQFTVTPDGIDLRLSHEALKQICLSGLHSWKKKFFIRFKNGIITGVFPASPSSWLIWVWGI  
SSMHTKVDPSLGMIKINRTLDTTGRMSSQTKNIVSGVLFGTGLWVAIIMTMRYSLKVLLSYHGWMFAEH  
GKMSRSTRIWMAMVKVFSGRKPMLYSFQTSLPRLPVPVAVKDTVSRYLESVRPLMKEGDFQRM TALAQDFA  
VNLGPKLQWYLKLSWWATNYVSDWWEYIYLRGRGPIMVNSNYAMEMLYITPTHIQAARAGNTIHAIL  
LYRRTVDREELKPIRLLGSTIPLCSAQWERLFNTSRIPGEETDTIQHVKDSRHIVVYHRGRYFKVWLYHD  
GRLLRPRELEQQMQQILDDTSEPQPGEAKLAALTAADRVPAWAKCRQTYFARGKNKQSLDAVEKAAFFVTL  
DESEQGYREEDPEASIDSYAKSLLHGRCFDRWFDKSITFVFKNSKIGINAEHSWADAPIVGHLEWYVMA  
TDVFQLGYSEDGHCKGDKNPNIKPTRLQWDIPGECQEVIEITSLSSASFLANDVDLHSPFDFTFGKGLIK  
KCRTSPDAFIQLALQLAHYKDMGKFLTYEASMTRLFREGRTETVRSCTTESCNFV LAMMDPTTTAEQRF  
KLFKIACEKHQHLRYLAMTGAGIDRHLFCLYVSKYLAVDSPFLKEVLSEPWRLSTSQTPQQQVELDFE  
KYPDYVSCGGGFGPVADDGYGVSIIYVGENFIHFHISSKFSSPETDSHRFGKHLRQAMMDIITLFGLTAN  
SKK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

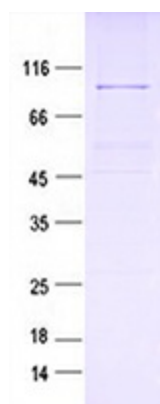
Tag:	C-MYC/DDK
Predicted MW:	88.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_038523</a>
<b>Locus ID:</b>	12894
<b>UniProt ID:</b>	<a href="#">P97742</a> , <a href="#">Q7TQD5</a> , <a href="#">Q3UGT1</a>
<b>RefSeq Size:</b>	4331
<b>Cytogenetics:</b>	19 3.08 cM
<b>RefSeq ORF:</b>	2319
<b>Synonyms:</b>	C730027G07; Cpt1; CPT1
<b>Summary:</b>	Catalyzes the transfer of the acyl group of long-chain fatty acid-CoA conjugates onto carnitine, an essential step for the mitochondrial uptake of long-chain fatty acids and their subsequent beta-oxidation in the mitochondrion. Plays an important role in triglyceride metabolism. [UniProtKB/Swiss-Prot Function]

### Product images:



Purified recombinant protein Cpt1a was analyzed by SDS-PAGE gel and Coomassie Blue Staining.