

# Recombinant Full Length Horse Carnitine O-Palmitoyltransferase 1, Liver Isoform(Cpt1A) Protein, His-Tagged

**Cat. No.** RFL27070EF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Horse Carnitine O-palmitoyltransferase 1, liver isoform(CPT1A) Protein (Q68Y62) (2-776aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Horse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length of Mature Protein (2-776)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	AEAHQAVAFQFTVTPDGIDLRLSHEALKQICLSGLHSWKKKFIRFKNGVITGVYPASS WLIVVVGVMSTMYAKIDPSLGIIAKINRTLDTTGYMSSQTKNIVSGVLFGTGLWVALIIT MRYSLKVLLSYHGWMFAEHGKMSRATRIWMCMVKIFSGRKPMLYSFQTS LPR LPVPAVKD TVNRYLESVRPLMKDEDFKRMTALAQDFAVNLGPRLQWYLKLSWWA TNYVSDWWEYVY LRGRGPLMVNSNYAMDLLYVIPHLQAATAGNGIHAILLYRH KLDREEIKPILFLGSTV PLCSAQWERMFNTRIPGEETDTIQHLRDSKHIVVFHKGRY FKVWLYHDGRLLKPREIEQ HIQRILDDPSEPHAGEAKLAALTAGERVPWAKCRQAY FGRGKNKQSLDAVEKAAFFVTLDETEQGYREEDPDASMDSYAKSLLHGRCSDRWF DKSFTFIVFKNGKMGMNAEHSWADAPVV GHLWEYVMSTDCFQLGYAEDGHCKGD TNPNIYPTRLQWDIPEECQDVIETSLNTANILA SDVDFHSFPFHAFGKGLIKKCRTS

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDAFVQLALQLAHYKDMGKFCLTYEASMTRLFREGR TETVRSCSSESCNFVLAMV  
 DPTQTVKQKLRLFKIASEKHQHLYRLAMTGSGIDRHLFCLY VVSKYLAVDSPFLKEV  
 LSEPWRLSTSQTPQQQVELFDLERNPEYVSSGGGFGPVADDGYG VSYILVGENLIN  
 FHISSKFSSPETDSHRFGKHLKQAMNDIMALFGFSSNSRKEFH

**Purity** Greater than 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** CPT1A

**Synonyms** CPT1A; Carnitine O-palmitoyltransferase 1, liver isoform; CPT1-L; Carnitine O-palmitoyltransferase I, liver isoform; CPT I; CPTI-L; Carnitine palmitoyltransferase 1A

**UniProt ID** [Q68Y62](https://www.uniprot.org/entry/Q68Y62)

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