

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

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

SPECIFICATION

Product Overview	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.
Species	Horse
Source	E.coli
ProteinLength	Full Length of Mature Protein (2-776)
Form	Lyophilized powder
AA Sequence	AEAHQAVAFQFTVTPDGIDLRLSHEALKQICLSGLHSWKKKFIRFKNGVITGVYPASP SS WLIVVVGVMMSTMYAKIDPSLGIIAKINRTLDTTGYMSSQTKNIVSGVLFGTGLWVA LIIT MRYSLKVLLSYHGWMFAEHGKMSRATRIWMCMVKIFSGRKPMLYSFQTS LPR LPVPAVKD TVNRYLESVRPLMKDEDFKRMTALAQDFAVNLGPRLQWYLKLKSWWA TNYVSDWWEYVY LRGRGPLMVNSNYAMDLLYVIPHLQAATAGNGIHAILLYRH KLDREEIKPILFLGSTV PLCSAQWERMFNTCRIPGEETDTIQHLRDSKHIVVFHKGRY FKVWLYHDGRLLKPREIEQ HIQRILDDPSEPHAGEAKLAALTAGERVPWAKCRQAY FGRGKNKQSLDAVEKAAFFVTLD ETEQGYREEDPDASMDSYAKSLLHGRCS DRWF DKSFTFIVFKNGKMG MNAEHSWADAPVV GHLWEYVMSTDCFQLGYAEDGHCKGD TNPNIYPTRLQWDIPEECQDVIETSLNTANILA SDVDFHSFPFHAFGKGLIKKCRTS

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PDAFVQLALQLAHYKDMGKFCLTYEASMTRLFREGT TETVRSCSSESCNFVLAMV
DPTQTVKQKLRLFKIASEKHQHLRLAMTGSGIDRHLFCLY VVSKYLAVDSPFLKEV
LSEPWRLSTSQTPQQQVELFDLERNPEYVSSGGGGFGPVADDGYG VSYILVGENLIN
FHISSKFSSPETDSHFRFGKHLKQAMNDIMALFGFSSNSRKEFH

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 multiple 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](#)

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