

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

Cat. No. RFL23177RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Carnitine O-palmitoyltransferase 1, liver isoform(Cpt1a) Protein (P32198) (2-773aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length of Mature Protein (2-773)
Form	Lyophilized powder
AA Sequence	AEAHQAVAFQFTVTPDGIDLRLSHEALKQICLSGLHSWKKKFIRFKNGIITGVFPANPS S WLIVVVGVISSMHAKVDPSLGMIAKISRTLDTTGRMSSQTKNIVSGVLFGTGLWVA VIMT MRYSLKVLLSYHGWMFAEHGKMSRSTKIWMAMVKVLSGRKPMLYSFQTSPL RLPVPAVKD TVSRYLESVRPLMKEEDFQRMTALAQDFAVNLGPKLQWYLKLKSWW ATNYVSDWWEYIY LRGRGPLMVNSNYAMEMLYITPTHIQAARAGNTIHAILLYRR TLDREELKPIRLLGSTI PLCSAQWERLFNTSRIPGEETDTIQHIKDSRHIVVYHRGRYF KWWLYHDGRLLRPRELEQ QMQQILDDPSEPQPGEAKLAALTAADRVPAWAKCRQTY FARGKNKQSLDAVEKAAFFVTLD ESEQGYREEDPEASIDSYAKSLLHGRCFDRWFD KSITFVVFKNKIGINAEHSWADAPVV GHLWEYVMATDVFQLGYSEDGHCKGDTNP NIPKPTRLQWDIPGECQEVIDASLSSASLLA NDVDLHSFPFDSFGKGLIKKCRTPDA FIQLALQLAHYKDMGKFCLTYEASMTRLFREGR TETVRSTMESCNFVQAMMDPK STAEQRLKLFKIACEKHQHLYRLAMTGAGIDRHLFCLY VVSKYLAVDSPFLKEVLSE

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	PWRLSTSQTPQQQVELDFEKNPDYVSCGGGFGPVADDGYG VSYIIVGENFIHFHI SSKFSSPETDSHRFGKHLRQAMMDIITLFGILTINSKK
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	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; Cpt-1; Cpt1; Carnitine O-palmitoyltransferase 1, liver isoform; CPT1-L; Carnitine O-palmitoyltransferase I, liver isoform; CPT I; CPTI-L; Carnitine palmitoyltransferase 1A
UniProt ID	P32198