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

Cat. No. RFL5329HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Carnitine O-palmitoyltransferase 1, liver isoform(CPT1A) Protein (P50416) (2-773aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length of Mature Protein (2-773)
Form	Lyophilized powder
AA Sequence	AEAHQAVAFQFTVTPDGIDLRLSHEALRQIYLSGLHSWKKKFIRFKNGIITGVYPASPS S WLIVVVGVMTTMYAKIDPSLGIIAKINRTLETANCMSSQTKNVVSGVLFGTGLWVAL IVT MRYSLKVLLSYHGWMFTEHGKMSRATKIWMGMVKIFSGRKPMLYSFQTSLPRL PVPAVKD TVNRYLQSVRPLMKEEDFKRMTALAQDFAVGLGPRLQWYLKLKSWWA TNYVSDWWEEYIY LRGRGPLMVNSNYYAMDLLYILPTHIQAARAGNAIHAILLYRRK LDREEIKPIRLLGSTI PLCSAQWERMFNTSRIPGEETDTIQHMRDSKHIVVYHRGRYF KVWLYHDGRLLKPREMEQ QMQRILDNTSEPQPGEARLAALTAGDRVPWARCRQA YFGRGKNKQSLDAVEKAAFFVTLD ETEEGYRSEDPDTSMDSYAKSLLHGRCYDRW FDKSFTFVVFKNGKMGLNAEHSWADAPIV AHLWEYVMSIDSLQLGYAEDGHCKGDI NPNIPYPTRLQWDIPGECQEVIETSLNTANLLA NDVDFHSFPFVAFGKGIIKKCRTSP

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	DAFVQLALQLAHYKDMGKFCLTYEASMTRLFREGR TETVRSCTTESCDFVRAMVD PAQTVEQRLKLFKLASEKHQHMYRLAMTGSGIDRHLFCLY VVSKYLAVESPFLKEVL SEPWRLSTSQTPQQQVELFDLENNPEYVSSGGGFGPVADDGYG VSYILVGENLINF HISSKFSCPETDSHRFGRHLKEAMTDIITLFGLSSNSKK
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℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	CPT1A
Synonyms	CPT1A; CPT1; Carnitine O-palmitoyltransferase 1, liver isoform; CPT1-L; Carnitine O-palmitoyltransferase I, liver isoform; CPT I; CPTI-L; Carnitine palmitoyltransferase 1A
UniProt ID	P50416

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