

Recombinant Full Length Rat Carnitine O-Palmitoyltransferase 1, Muscle Isoform(Cpt1B) Protein, His-Tagged

Cat. No. RFL19282RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Carnitine O-palmitoyltransferase 1, muscle isoform(Cpt1b) Protein (Q63704) (1-772aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length (1-772)
Form	Lyophilized powder
AA Sequence	MAEAHQAVAFQFTVTPDGVDFRLSREALRHIYLSGINSWKKRLIRIKNGILRGVYPGS PT SWLVVVMATVGSNYCKVDISMGLVHCIQRCLPTRYGSYGTPQTETLLSMVIFST GVWATG IFLFRQTLKLLLSYHGWMFEMHSKTSHATKIWAICVRLSSRRPMLYSFQ TSLPKLPVPS VPATIHRYLDSVRPLLDDEAYFRMESLAKEFQDKIAPRLQKYLVLKS WWATNYVSDWWEE YVYLRGRSPIMVNSNYAMDFVLIKNTSQQAARLGNTVHAMI MYRRKLDREEIKPVMALG MVPMCSYQMERMFNTTRIPGKETDLLQHLSESRHVAV YHKGRFFKVWLYEGSCLLKPRDL EMQFQRILDDTSPQPGEKLAALTAGGRVEW AEARQKFFSSGKNKMSLDTIERAAFFVA LDEDSHCYNPDDEASLSLYGKSLLHGNC YNRWFDKSFTLISCKNGQLGLNTEHSWADAPI IGHLWEFVLATDTFHLGYTETGHC VGEPNTKLPPPQRMQWDIPEQCQTAIENSYQVAKAL ADDVELYCFQLPFGKGLIK KCRTSPDAFVQIALQLAHFRDKGKFCLTYEASMTRMFREG RTETVRSCSTSESTAFV

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RAMMTGSHKKQDLQDLFRKASEKHQNMRYLAMTGAGIDRHLFCL YIVSKYLGVRS
PFLDEVLSLSTSQIPQFQICMFDPKQYPNHLGAGGGFGPVDHGY GVSYMIA
GENTMFFHVSSKLSSETNALRFGNHIRQALLDIADLFKISKTD

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 Cpt1b

Synonyms Cpt1b; Carnitine O-palmitoyltransferase 1, muscle isoform; CPT1-M; Carnitine O-palmitoyltransferase I, muscle isoform; CPT I; CPTI-M; Carnitine palmitoyltransferase 1B; Carnitine palmitoyltransferase I-like protein

UniProt ID [Q63704](#)

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