

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

Cat. No. RFL25583BF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Bovine Carnitine O-palmitoyltransferase 1, muscle isoform(CPT1B) Protein (Q58DK1) (1-771aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Bovine
Source	E.coli
ProteinLength	Full Length (1-771)
Form	Lyophilized powder
AA Sequence	MAEAHQAVAFQFTVTPEGVDFQLSREVLKHIYLSVIRSWKKRLIRIKNGILRGVYPGS PT SWLVVVMATAGSSYYNVDISMGLVYYIQRWLPEGRPYRTPYTRTLFSMAIFSTG VWMMGI FFFRQTLKLLLSYHGWMFELHGQTSHLTRVWAVCVRLLSGRRPMLYSFQ TSLPKLPVPSV PATVHRYLESVEHLLDDEQYYRMETLAKEFEETAPRLQKYLVLKS WWATNYVSDWWEY VYLRGRNPVVNSNYYVMDLVLVKNTDVQAARLGNVHAM ITYRRKLDREEIKPVMALGL VPMCSYQMERMFNTTRIPGKDTDVLQHLPDSRHVAV YHKGRFFKVWLYEGSRLLKPRDLE MQFQRILDDPSPQPGEERLAALTAGGRVEW AQARQAFFSSGKNKAALDAIERAAFFVAL DEESHHYDPEDEASLSLYGKALLHGNC YNRWFDKSFTLISFKNGQLGLNTEHAWADAPII GHLWEFVLGTDSFHLGYTETGHC LGKPNPVLPPPQRLQWDIPKQCQAVIESSYQVAKALA DDVELYCFQFLPFGKGLIKK

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CRTSPDAFVQIALQLAHFRDRGKFCLTYEASMTRMFREGR TETVRSCTRESTAFVQ
 AMVQGRHLNEDLQRLFRKAAEKHQNMRYLAMTGAGIDRHLFCLY VVSKYLGVESP
 FLAEVLSEPWRLSTSQIAQFQIRMFDPNKYPKHLGAGGGFGPVADDGYG VSYMIAG
 ENTIFFHVSSKFSSETNAQRFGNQIRQALLDIANLFQVPKADG

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 CPT1B

Synonyms CPT1B; Carnitine O-palmitoyltransferase 1, muscle isoform; CPT1-M; Carnitine O-palmitoyltransferase I, muscle isoform; CPT I; CPTI-M; Carnitine palmitoyltransferase 1B

UniProt ID [Q58DK1](#)

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