

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Full Length (1-771)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MAEAHQAVAFQFTVTPEGVDFQLSREVLKHIYLSVIRSWKKRLIRIKNGILRGVYPGS<br>PT SWLVVVMATAGSSYYNVDISMGLVYYIQRWLPEGRPYRTPYTRTLFSMAIFSTG<br>VWMMGI FFFRQTLKLLLSYHGWMFELHGQTSHLTRVWAVCVRLLSGRRPMLYSFQ<br>TSLPKLPVPSV PATVHRYLESVEHLLDDEQYYRMETLAKEFEETAPRLQKYLVLKS<br>WWATNYVSDWWEY VYLRGRNPVVNSNYYVMDLVLVKNTDVQAARLGNVHAM<br>ITYRRKLDREEIKPVMALGL VPMCSYQMERMFNTTRIPGKDTDVLQHLPDSRHVAV<br>YHKGRFFKVWLYEGSRLLKPRDLE MQFQRILDDPSPQPGEERLAALTAGGRVEW<br>AQARQAFFSSGKNKAALDAIERAAFFVAL DEESHHYDPEDASLSLYGKALLHGNC<br>YNRWFDKSFTLISFKNGQLGLNTEHAWADAPII GHLWEFVLGTDSFHLGYTETGHC<br>LGKPNPVLPPPQRLQWDIPKQCQAVIESSYQVAKALA DDVELYCFQFLPFGKGLIKK |

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CRTSPDAFVQIALQLAHFRDRGKFCLTYEASMTRMFREGR TETVRSCTRESTAFVQ  
AMVQGRHLNEDLQRLFRKAAEKHQNMRYLAMTGAGIDRHLFCLY VVSKYLGVESP  
FLAEVLSEPWRLSTSQIAQFQIRMFDPNKYPKHLGAGGGFGPVADDGYG VSYMIAG  
ENTIFFHVSSKFSSETNAQRFQGNQIRQALLDIANLFQVPAKDG

**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

**UniProt ID** [Q58DK1](#)

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