

# Recombinant Full Length Mouse Carnitine O-Palmitoyltransferase 1, Brain Isoform(Cpt1C) Protein, His-Tagged

**Cat. No.** RFL4702MF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Recombinant Full Length Mouse Carnitine O-palmitoyltransferase 1, brain isoform(Cpt1c) Protein (Q8BGD5) (1-798aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | Full Length (1-798)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MAEAHQASSLLSSLSSDGALEVELSSPVWQEIYLCALRSWKRHLWRVWNDFLAGVV<br>PATPL SWLFLFSTIQLACLLQLDPSLGLMEKIKELLPDWGGQHHQLQGFLSAAVFAS<br>CLWGALIF TLHVALRLLLSHHGWLLEPHGAMSSPTKTWLALVRIFSGRHPRLFSFQR<br>ALPRQPVPSAQ ETVRKYLESVRPVLGDDAFDRATALANDFLRLHAPRLQLYLQLKS<br>WCTSNYVSDWWEFV YLRSRGSINSTYYMMDFLYVTPTPLQAARAGNAVHTLLL<br>YRHLLNRQEISPTLLMGMRP LCSAQYERMFNTTRIPGVEKDHLRHLQDSRHVAVFH<br>RGRFFRVGTHSPNGLLSPRALEQQ FQDILDDPSPACPLEEHLAALTAAPRSMWAQ<br>VRESVKTHAATALEAVEGAFFVSLDSEP AGLTREDPAASLDAYAHALLAGRGHDR<br>WFDKSFTLIVFSNGKLGLSVEHSWADCPVSGHL WEFTLATECFQLGYATDGHCKG<br>HPDPTLPQPQRLQWDLPEQIQPSISLALRGAKTLSGNI DCHVFPFSHFGKSFICKCH |

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VSSDSFIQLVLQLAHFRDRGQFCLTYESAMTRLFLEGR TET VRSC TREACQFVRAM  
DNKETDQHCLALFRVAVDKHQALLKAAMSGQGIDRHLFALYIMSR LLHMQSPFLTQ  
VQSQQWLLSTSQVPVQQTHLIDVHNYPDYVSSGGGFGPAHDHGYGISYI FMGENAI  
TFHISSKKSSTETDSHRLGQH IENALLDVASLFRVGQHFQRQFRGENSDYRYN FLS  
CKTVDPNTPTSSTNL

**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** Cpt1c

**Synonyms** Cpt1c; Carnitine O-palmitoyltransferase 1, brain isoform; CPT1-B; CPT IC; Carnitine O-palmitoyltransferase I, brain isoform; CPTI-B; Carnitine palmitoyltransferase 1C

**UniProt ID** [Q8BGD5](#)

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