

Recombinant Human CPT1C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CPT1C-5246H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CPT1C MS Standard C13 and N15-labeled recombinant protein (NP_689572) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein regulates the beta-oxidation and transport of long-chain fatty acids into mitochondria, and may play a role in the regulation of feeding behavior and whole-body energy homeostasis. Alternatively spliced transcript variants encoding multiple protein isoforms have been observed for this gene.
Molecular Mass	90.8 kDa
AA Sequence	MAEAHQAVGFRPSLTSDGAEVELSAPVLQEIYLSGLRSWKRLSRFWNDFLTGVFP ASPLSWLFLFSAIQLAWFLQLDPSLGLMEKIKELLPDWGGQHHGLRGVLAAALFASC LWGALIFTLHVALRLLLSYHGWLLLEPHGAMSSPTKTWLALVRIFSGRHPMLFSYQRS LPRQPVPSVQDTRKYLESVRPILSDEDFDWTAVLAQEFLRLQASLLQWYLRLKSW WASNYSVDWWEFVYLRNPLMVNSNYMMDFLYVTPTPLQAARAGNAVHALLL YRHRLNRQEIPPTLLMGMRLPLCSAQYEKIFNTTRIPGVQKDYIRHLHDSQHVAVFHR GRFFRMGTHSRNSLLSPRALEQQFQRILDDPSPACPHEEHLAALTAAPRGTTWAQVR TSLKTQAAEALEAVEGAFFVSLDAEPAGLTREDPAASLDAYAHALLAGRGHDRWF

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DKSFTLIVFSNGKLGLSVEHSWADCPISGHMWEFTLATECFQLGYSTDGHCKGHPD
PTLPQPQRLQWDLPDQIHSSISLALRGAKILSENVDC HVVPFSLFGKSFIRRHCHLSSD
SFIQIALQLAHFRDRGQFCLTYESAMTRLFLEGR TETVRSCTREACNFVRAMEDKEK
TDPQCLALFRVAVDKHQALLKAAMSGQGVD RHLFALYIVSRFLHLQSPFLTQVHSEQ
WQLSTSQIPVQQMHLFDVHNYPDYVSSGGGFGPADDHGYGVSYIFMGDGMITFHIS
SKKSSTKTDSHRLGQHIEDALLDVASLFQAGQHFKRRFRGSGKENSRRHRCGFLSRQ
TGASKASMTSTDFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CPT1C carnitine palmitoyltransferase 1C [Homo sapiens (human)]

Official Symbol CPT1C

Synonyms CPT1C; carnitine palmitoyltransferase 1C; carnitine O-palmitoyltransferase 1, brain isoform; CPT1P; CPTIC; FLJ23809; carnitine palmitoyltransferase I related C; carnitine O-palmitoyltransferase I, brain isoform; CATL1; CPT1-B; CPTI-B;

Gene ID 126129

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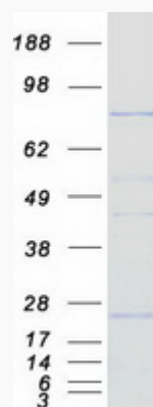
mRNA Refseq NM_152359

Protein Refseq NP_689572

MIM 608846

UniProt ID Q8TCG5

SDS-PAGE



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