

Recombinant Full Length Human CPT1C Protein, GST-tagged

Cat. No. CPT1C-2231HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CPT1C full-length ORF (AAH29104.1, 1 a.a. - 792 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	792 amino acids
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. [provided by RefSeq, Dec 2010]
Molecular Mass	116.1 kDa
AA Sequence	MAEAHQAVGFRPSLTSDGALEVELSAPVLQEIYLSGLRSWKRHLSRFWNDFLTGVFP ASPLSWLFLFSAIQLAWFLQLDPSLGLMEKIKELLPDWGGQHHGLRGVLAAALFASC LWGALIFTLHVALRLLLSYHGWLLEPHGAMSSPTKTWLALVRIFSGRHPMLFSYQRS LPRQPVPVSVQDTPVRKYLESVRPILSDEDFDWTAVLAQEFLRLQASLLQWYLRLKSW WASNYSVDWWEFVYLRNPLMVNSNYMMMAARAGNAVHALLLYRHRLNRQEIP PTLLMGMRPLCSAQYEKIFNTTRIPGVQKDYIRHLHDSQHVAVFHRGRFFRMGTHS RNSLLSPRALEQQFQRILDDPSPACPHEEHLAALTAAPRGTTWAQVVRTSLKTQAAEAL

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EAVEGAFFVSLDAEPAGLTREDPAASLDAYAHALLAGRGHDRWFDKSFTLIVFSNG
 KLGLSVEHSWADCPISGHMWEFTLATECFQLGYSTDGHCKGHPDPTLPQPQLQW
 DLPDQIHSSISLALRGAKILSENVDCVVPFSLFGKSFIRCHLSSDSFIQIALQLAHFR
 DRGQFCLTYESAMTRLFLEGRTEVRSCTREACNFVRAMEDKEKTDQPCLALFRVA
 VDKHQALLKAAMSGQGVDRHLFALYIVSRFLHLQSPFLTQVHSEQWQLSTSQIPVQ
 QMHLFDVHNYPDYVSSGGGFGPADDHGYGVSYIFMGDGMITFHSSKKSSTKTDSH
 RLGQHIEDALLDVASLFQAGQHFKRRFRGSGKENSRRHRCGFLSRQTGASKASMTS
 TDF

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CPT1C carnitine palmitoyltransferase 1C [Homo sapiens]

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_001136052
Protein Refseq	NP_001129524
MIM	608846
UniProt ID	Q8TCG5

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