

Recombinant Human CPT2 cell lysate

Cat. No. CPT2-391HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene is a nuclear protein which is transported to the mitochondrial inner membrane. Together with carnitine palmitoyltransferase I, the encoded protein oxidizes long-chain fatty acids in the mitochondria. Defects in this gene are associated with mitochondrial long-chain fatty-acid (LCFA) oxidation disorders.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CPT2 carnitine palmitoyltransferase 2 [Homo sapiens]
Official Symbol	CPT2
Synonyms	CPT2; carnitine palmitoyltransferase 2; carnitine palmitoyltransferase II , CPT1; carnitine O-palmitoyltransferase 2, mitochondrial; CPTASE; CPT II; carnitine palmitoyltransferase II; CPT1; IIAE4;

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Gene ID	1376
mRNA Refseq	NM_000098
Protein Refseq	NP_000089
MIM	600650
UniProt ID	P23786
Chromosome Location	1p32
Pathway	Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Import of palmitoyl-CoA into the mitochondrial matrix, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;
Function	carnitine O-palmitoyltransferase activity; transferase activity, transferring acyl groups;