

## Recombinant Human CPT2 cell lysate

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

### SPECIFICATION

**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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<b>Gene ID</b>	1376
<b>mRNA Refseq</b>	NM_000098
<b>Protein Refseq</b>	NP_000089
<b>MIM</b>	600650
<b>UniProt ID</b>	P23786
<b>Chromosome Location</b>	1p32
<b>Pathway</b>	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;
<b>Function</b>	carnitine O-palmitoyltransferase activity; transferase activity, transferring acyl groups;

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