

Recombinant Human CPT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CPT2-5788H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CPT2 MS Standard C13 and N15-labeled recombinant protein (NP_000089) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	73.8 kDa
AA Sequence	MVPRLLLRWPRGPAVGPGAPSRPLSAGSGPGQYLQRSIVPTMHYQDSLPRLPK LEDTIRRYLSAQKPLLNDGQFRKTEQFCKSFENGIGKELHEQLVALDKQNKHTSYILG PWFDMYLSARDSVVLNFPFMAFNPDPKSEYNDQLTRATNMTVSAIRFLKTLRAGL LEPEVFHLNPAKSDTITFKRLIRFVPSSLSWYGAYLVNAYPLDMSQYFRLFNSTRLPK PSRDELFTDDKARHLLVLRKGNFYIFDVLDDQGNIVSPSEIQAHLKYILSDSSPAPEFP LAYLTSENNDIWAELRQKLMSSGNEESLRKVDSAVFCLCLDDFPIKDLVHLSHNLH GDGTNRWFDKSFNLIADKDGSTAIHFEHSWGDGVAVLRFFNEVFKDSTQTPAVTPQS QPATTDSTVTQKLNFEITDALKTGITAAKEKFDATMKTLTIDCVQFQRRGGKEFLKKQ

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KLSPDAVAQLAFQMAFLRQYGQTVATYESCSTAAFKHGRGTETIRPASVYTKRCSEAF
VREPSRHSAGELQQMMVECSKYHGQLTKEAAMGQGFDRLHFLALRHAAAGIILPE
LYLDPAYGQINHNVLSTSTLSSPAVNLGGFAPVVSDGFGVGYAVHDNWIGCNVSSY
PGRNAREFLQCVEKALEDVFDALLEGKSIKSTRTRPLEQKLISEEDLAANDILDYKDD
DKV

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 CPT2 carnitine palmitoyltransferase 2 [Homo sapiens (human)]

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;

Gene ID 1376

mRNA Refseq NM_000098

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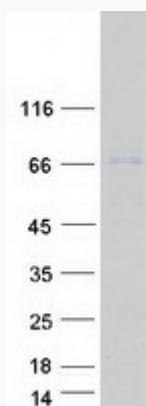
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Protein Refseq NP_000089

MIM 600650

UniProt ID P23786

SDS-PAGE



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