Recombinant Human CPT1C 293 Cell Lysate

Cat. No. CPT1C-7298HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for carnitine palmitoyltransferase 1C (CPT1C), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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
mRNA Refseq	NM_001136052
Protein Refseq	NP_001129524
MIM	608846
UniProt ID	Q8TCG5
Chromosome Location	19q13.33
Pathway	AMPK signaling, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved

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	biosystem; PPAR signaling pathway, organism-specific biosystem;
Function	carnitine O-palmitoyltransferase activity; transferase activity, transferring acyl groups;

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