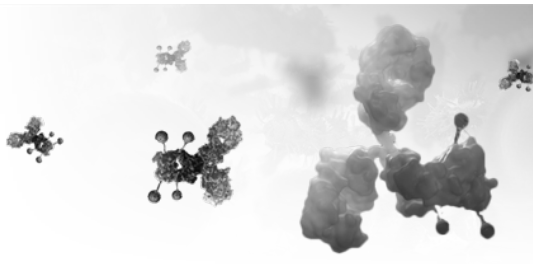

Human CPT1C peptide (DAG-P1481)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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]
Specificity	Expressed predominantly in brain and testis.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the carnitine/choline acetyltransferase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CPT1C carnitine palmitoyltransferase 1C [Homo sapiens (human)]
Official Symbol	CPT1C
Synonyms	CPT1C; carnitine palmitoyltransferase 1C; CATL1; CPT1P; CPTIC; CPT1-B; CPTI-B; carnitine O-palmitoyltransferase 1, brain isoform; carnitine palmitoyltransferase I related C; carnitine O-palmitoyltransferase I, brain isoform;

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Entrez Gene ID	126129
mRNA Refseq	NM_001136052.2
Protein Refseq	NP_001129524.1
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 degradation, organism-specific biosystem; Fatty acid degradation, conserved biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling p
Function	carnitine O-palmitoyltransferase activity;

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