

## Product datasheet for **SC331353**

### **CPT1C (NM\_001199752) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CPT1C (NM_001199752) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPT1C
Synonyms:	CATL1; CPT1-B; CPT1P; CPTI-B; CPTIC; SPG73
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC331353 representing NM\_001199752.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGAAGCGCACCAGGCCGTGGGCTTCGACCCCTCGCTGACCTCGGACGGGGCTGAAGTGGAACTC
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001199752

**Insert Size:** 2412 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001199752.1</a>
<b>RefSeq Size:</b>	2918 bp
<b>RefSeq ORF:</b>	2412 bp
<b>Locus ID:</b>	126129
<b>UniProt ID:</b>	<a href="#">Q8TCG5</a>
<b>Cytogenetics:</b>	19q13.33
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Adipocytokine signaling pathway, Fatty acid metabolism, PPAR signaling pathway
<b>MW:</b>	91 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes the longer isoform (2). Variants 2, 3 and 4 encode the same isoform.</p>