

Product datasheet for **RC200484L4V**

CPT2 (NM_000098) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CPT2 (NM_000098) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CPT2 |
| Synonyms: | CPT1; CPTASE; IIAE4 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_000098 |
| ORF Size: | 1974 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC200484). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_000098.1 |
| RefSeq Size: | 3110 bp |
| RefSeq ORF: | 1977 bp |
| Locus ID: | 1376 |
| UniProt ID: | P23786 |
| Cytogenetics: | 1p32.3 |
| Domains: | Carn_acyltransf |
| Protein Families: | Druggable Genome |



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Protein Pathways: Fatty acid metabolism, PPAR signaling pathway

MW: 73.8 kDa

Gene Summary: 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. [provided by RefSeq, Jul 2008]