

Product datasheet for RC222144L4V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

CPT1B (NM_152246) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: CPT1B (NM_152246) Human Tagged ORF Clone Lentiviral Particle

Symbol: CPT1B

Synonyms: CPT1-M; CPT1M; CPTI-M; M-CPT1; MCCPT1; MCCPT1

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_152246 **ORF Size:** 2316 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC222144).

Sequence:

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.

RefSeg: NM 152246.2

 RefSeq Size:
 2658 bp

 RefSeq ORF:
 2319 bp

 Locus ID:
 1375

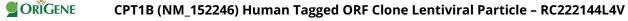
 UniProt ID:
 Q92523

 Cytogenetics:
 22q13.33

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Adipocytokine signaling pathway, Fatty acid metabolism, PPAR signaling pathway





MW: 87.7 kDa

Gene Summary: The protein encoded by this gene, a member of the carnitine/choline acetyltransferase family,

is the rate-controlling enzyme of the long-chain fatty acid beta-oxidation pathway in muscle mitochondria. This enzyme is required for the net transport of long-chain fatty acyl-CoAs from the cytoplasm into the mitochondria. Multiple transcript variants encoding different isoforms have been found for this gene, and read-through transcripts are expressed from the

upstream locus that include exons from this gene. [provided by RefSeq, Jun 2009]