

## Product datasheet for **MR216278L4V**

### Cpt2 (NM\_009949) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Cpt2 (NM_009949) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cpt2
Synonyms:	AI323697; CPTII
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009949
ORF Size:	1977 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216278).
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. <a href="#">More info</a>
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:	<a href="#">NM_009949.2</a> , <a href="#">NP_034079.2</a>
RefSeq Size:	2366 bp
RefSeq ORF:	1977 bp
Locus ID:	12896
UniProt ID:	<a href="#">P52825</a>
Cytogenetics:	4 50.18 cM



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**Gene Summary:**

Involved in the intramitochondrial synthesis of acylcarnitines from accumulated acyl-CoA metabolites. Reconverts acylcarnitines back into the respective acyl-CoA esters that can then undergo beta-oxidation, an essential step for the mitochondrial uptake of long-chain fatty acids and their subsequent beta-oxidation in the mitochondrion. Active with medium (C8-C12) and long-chain (C14-C18) acyl-CoA esters.[UniProtKB/Swiss-Prot Function]