

Product datasheet for **MR210568L4V**

Cpt1a (NM_013495) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cpt1a (NM_013495) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cpt1a
Synonyms:	C730027G07; Cpt1; CPT1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013495
ORF Size:	2319 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210568).
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_013495.2 , NP_038523.2
RefSeq Size:	4331 bp
RefSeq ORF:	2322 bp
Locus ID:	12894
UniProt ID:	P97742
Cytogenetics:	19 3.08 cM



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Gene Summary:

Catalyzes the transfer of the acyl group of long-chain fatty acid-CoA conjugates onto carnitine, an essential step for the mitochondrial uptake of long-chain fatty acids and their subsequent beta-oxidation in the mitochondrion. Plays an important role in triglyceride metabolism.[UniProtKB/Swiss-Prot Function]