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Product datasheet for MC205196

Cpt1a (NM_013495) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpt1a (NM_013495) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cpt1a
Synonyms:	C730027G07; Cpt1; CPTI
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC054791

CCCGCCCCGGCCCGGACTCCGCTCGCTCATTCCGCCGCCGCCGTCTGCAGACTCGGTCACCACTCAAGAT
GGCAGAGGCTCACCAAGCTGTGGCCTTCCAGTTCACAGTCACCCCTGATGGCATCGATCTCCGCCTGAGC
CATGAAGCCCTCAAACAGATCTGCCTGTCAGGGCTGCACTCCTGGAAGAAGAAGTTCATCCGATTCAAGA
ATGGCATCATCACTGGTGTGTTCCCCGCGAGTCCCTCCAGCTGGCTTATCGTGGTGGTGGGTGTGATATC
ATCCATGCATACCAAAGTGGACCCCTCCCTGGGCATGATTGCAAAGATCAATCGGACCCTAGACACCACT
GGCCGCATGTCAAGCCAGACGAAGAACATCGTGAGTGGCGTCCTCTTTGGCACAGGGCTCTGGGTGGCGA
TCATCATGACTATGCGCTACTCGCTGAAGGTGCTGCTCTCCTACCATGGCTGGATGTTTGCAGAGCACGG
CAAAATGAGCCGCAGCACCAGAATCTGGATGGCTATGGTCAAGGTCTTCTCGGGTCGAAAGCCCATGTTG
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GTGCCGGACGAGTCCCGATGCCTTCATCCAGCTGGCACTGCAGCTCGCACATTACAAGGACATGGGCAAG

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TTCTGCCTCACGTATGAGGCTTCCATGACTCGGCTCTTCCGAGAGGGGAGGACAGAGACTGTACGCTCCT
GCACTACGGAGTCCTGCAACTTTGTGCTGGCCATGATGGACCCCACAACAACGGCAGAGCAGAGGTTCAA
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TCGGTCTCCCTAGAACAACCGTAGGCTCCACCGTTTGACTTGTGACCCTACTACATCCAGAGATGCCTTG
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GGGATTAAGGTTCTGCTATGAATGACAGCCACCATCGCTTTGGGAGTCCACATTTGACTCCACATTTCCT
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GGTATTCCATGTAAACATAGCATAATGGAGTGGCCTCCCCTACCTGTTACCATCCTGTCCTGACAAGTTT
AGCTCTTCGTGTTTTAAATCATGTATTTATTTTCCAGTGCCCCTTTGGCCTTGCTTGATTCCTACTCGTG
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AAAAACAAGAAAACAAAAGGCAACATAAATATATAGCAGAGACAACTGTAAGTCAAAGCCGCCTGACCGC
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TCTCAGGTCTCCAGTGTCCTTCCTTGCTGCTCCTGAGCAGTTACCAATGCAATTTTTTACTCCTTCCAAG
GCAGAAGAGTGGGCTTTCACTGTAAGTGTTCAAAGGAGGAGGTAAGACTACTATGTATTTAATGTGGAAC
AAAACATAGTCTTACCGCAGCCAAGGTTCGAATTTGGTTTTCTAATCTGTCCATTGCATGTAAATACCAT
ATGCTGTTTGGATATAAATCTTAGAAATGCATGTGTGAACGAATATAGCTGACCATTAATAAAACATTAA
TCCCGCCTACTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_013495

Insert Size: 2322 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).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	BC054791, AAH54791
RefSeq Size:	4312 bp
RefSeq ORF:	2322 bp
Locus ID:	12894
UniProt ID:	P97742
Cytogenetics:	19 3.08 cM
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]