

Product datasheet for **RN203074**

Cpt1b (NM_013200) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpt1b (NM_013200) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cpt1b
Synonyms:	CPT-IB; M-CPTI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203074 representing NM_013200
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAAGCACACCAGGCAGTAGCTTCCAGTTCAGTGTGACCCAGACGGGGTCGACTTCCGGCTTA
 GTCGGGAGGCTCTGAGACACATCTACCTGTCTGGAATCAACTCCTGGAAGAAACGCCTTATTCGAATCAA
 GAATGGTATCCTTAGGGGTGTGTACCCTGGCAGCCCTACCAGCTGGCTGTTGTTGTCATGGCAACAGTT
 GGTTCAACTACTGCAAAGTGGACATCTCCATGGGGCTGGTCCATTGCATCCAGAGATGCCTCCCGACAA
 GGTATGGCTCCTACGGGACCCACAGACCAGACACTTCTCAGTATGGTCACTTCTCCACCGGAGTCTG
 GGCGACAGGCATTTTTTATTCCGACAAACCCTGAAGCTGCTGCTTTCCTATCATGGGTGGATGTTGAG
 ATGCACAGCAAGACCAGCCATGCCACCAAGATCTGGGCTATCTGTGTTGCTCCTGTCCAGCCGGCGGC
 CCATGCTCTATAGCTTCCAAACATCACTGCCAAGCTTCTGTCCCGAGTGTCCAGCCACAATTCACCG
 GTACTTGGATTCTGTGCGGCCCTTGGTGGATGACGAAGCCTATTTCCGCATGGAGTCGTTGGCCAAAGAA
 TTCCAGGACAAGATTGCCCCAGACTGCAGAAATACCTGGTGTGAAGTCATGGTGGGCAACCAACTATG
 TAAGTGACTGGTGGGAAGAGTACGTCTACCTCCGAGGCAGGAGCCCATCATGGTGGACAGCAACTATTA
 CGCCATGGATTTTGTGCTTATTAAGAACACGAGCCAACAAGCAGCACGTTTGGGAAACACCGTTCACGCC
 ATGATCATGTATCGCCGCAAACCTGGACCGAGAAGAGATCAAGCCGGTGTGGCACTGGGTATGGTACCCA
 TGTGCTCTACCAGATGGAGAGGATGTTCAACACTACACGCATCCAGGCAAAGAGACAGACTTGTACA
 GCACCTCTCAGAGAGCAGGCACGTGGCTGTCTACCACAAAGTTCGCTTCTCAAGTTTGGCTCTATGAG
 GGCTCGTGCTGCTCAAGCCCCGAGACCTCGAGATGCAGTTCAGAGAATCCTCGATGACACCTCCCCGC
 CTCAGCCTGGAGAGGAAAAGCTGGCAGCCCTCACCGCAGGAGGAAGGGTAGAGTGGGAGGAGGAGCA
 GAAGTTCTTTAGCTCTGGCAAGAACAAGATGTCCCTGGATACCATCGAAGTGTGCTTTCTTTGTGGCC
 CTGGACGAAGACTCTCACTGTTACAACCCTGATGACGAGGCCAGTCTCAGCCTCTACGGCAAATCCCTGC
 TGCACGGCAACTGCTATAACAGGTGGTTCGACAAATCTTCACTCTCATCTCCTGCAAGAATGGCCAGCT
 GGGCCTCAACACAGAACACTCATGGGCAGATGCTCCCATCATCGTCCACTCTGGGAGTTCGTCCTGGCC
 ACTGATACCTTTACCTGGGCTACACGGAGACAGGACACTGTGTGGTGAACCAACACCAAGTTGCCGC
 CGCCTCAGCGGATGCAGTGGGACATTCCCAGCAGTGCAGACAGCCATCGAGAATTCGTACCAAGTAGC
 CAAGGCCCTGGCTGATGATGTGGAGTTACTGCTTCCAGTCTTACCCTTCGGCAAAGGCTGATCAAG
 AAGTGTGGACACGCCCTGATGCCTTTGTGCGAGATTGCCCTGCAGCTGGCTCATTTCGGGACAAAGGCA
 AGTTCTGCTGACCTATGAGGCCTCCATGACAAGAATGTTCCGAGAGGGCGGACAGAGACTGTGCGTTC
 CTGTAAGTACGAGTCCACGGCCTTTGTGCGGGCCATGATGACGGGGTCCCATAAGGAACAAGACCTCCAA
 GACCTCTTCCGGAAAGCCTCCGAAAAACACAAAACATGTACCGCCTAGCCATGACAGGGGCTGGGATCG
 ACAGGCACCTCTTCTGCCTCTACATCGTCTCCAAGTACTAGGGGTTAGGTCTCCTTTCTGGACAGGT
 GCTTTCCGAAACCCTGGAGCCTCTCCACCAGCCAGATCCCCAGTTCAGATCTGCATGTTTGACCCAAAG
 CAGTACCCCAATCATCTGGGTGCTGGAGGTGGCTTTGGTCTGTGGCCGACCACGGATACGGGGTTTCT
 ACATGATCGCAGGCGAAAACACAATGTTCTTCCATGTTTCCAGCAAGTTATCGAGTTCAGAAACGAAACGC
 CCTGCGCTTCGGGAACCCATCCGTCAAGCACTGTTGGATATCGCCGACCTTTTCAAATTTCCAAGACT
 GACAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013200
Insert Size: 2319 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:	<ol style="list-style-type: none">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:	NM_013200.1 , NP_037332.1
RefSeq Size:	2826 bp
RefSeq ORF:	2319 bp
Locus ID:	25756
Cytogenetics:	7q34
Gene Summary:	muscle isoform of enzyme that catalyses the transfer of long chain fatty acids to carnitine for translocation across the mitochondrial inner membrane [RGD, Feb 2006]