

Product datasheet for **RN203577**

Cpt2 (NM_012930) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpt2 (NM_012930) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cpt2
Synonyms:	CPTII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203577 representing NM_012930
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGCCGCGCCTGCTGTTTCGTGCCTGGCCCCGCTGCCCTCGCTTGTCTGGGAGCCCCTAGTAGGC
 CCTTAAGTGCTGTCTCGGGCCGACGATTATCTGCAGCACAGCATCGTGCCACCATGCACTACCAAGGA
 CAGCCTGCCAGGCTGCCTATCCCTAAACTTGAAGACACCATGAAGAGATACCTCAATGCACAGAAGCCT
 CTCTTGGATGACAGCCAGTTTCAAGAGAACAAGCGTTGTGAAGAATTTTGGAGCTGGCGTTGGGAAGG
 AGCTGCATGCCACCTGCTTGTCTCAGGATAAGCAGAATAAGCACACCAGCTACATCTCAGGCCCTGGTT
 CGATATGTATTTAACTGCTCGAGACTCTATCGTTTTAACTTTAATCCATTTATGGCATTCAATCCGGAC
 CCAAAGTCTGAGTATAATGACCAGCTTACCAGGGCAACCAACTTGACTGTTTCTGCAGTCCGGTTTCTGA
 AGACACTTCAAGGCTGGCCTTTAGAACCAAGTGTCCACTTGAACCTTCCAAAAGTGACACAGACGC
 CTTCAAAGACTCATTGCTTTGTTCTCCCTCTCTGTCTGGTATGGAGCTACCTGGTCAACGCATAT
 CCCTGGATATGTCCAGTATTTCCGGCTTTTCAATCAACTCGTATACCCAGACCAATCGTGATGAAC
 TCTTTACTGACACCAAGGCTAGACACCTCCTGGTCCCTAAGAAAAGGACATTTCTATGTCTTTGATGTCT
 CGATCAAGATGGGAACATTGTGAATCCCTTAGAGATTCAGGCACATCTAAAGTACATTCTCTCAGACAGC
 AGCCCTGTGCCGAGTTTCTGTGGCATATCTGACCAGTGAGAACCAGAGATGTCTGGCAGAGCTCAGAC
 AGAAGTTGATTTTTGATGGCAATGAGGAAACCTGAAGAAAGTGGACTCTGCTGTCTTCTGCCTCTGCCT
 AGATGACTTCCGATGAAGGATCTTATTCACTTGTACACACCATGCTGCACGGCGATGGCACAACCCG
 TGGTTTGATAAGTCCTTAACTCATTGTAGCCGAGGACGGCACTGCTGCAGTCCACTTCGAGCACTCGT
 GGGGGGATGGGGTGGCAGTGTAGGTTTTCAATGAAGTGTTCAGAGACAGCACTCAGACCCCTGCCAT
 CACTCCCCAGAGCCAGCCTGCCGCCAACCTCCTCTGGCTCTGTGGAGACGCTCAGCTTCAACCTCAGC
 GGTGCTCTCAAGGCTGGCATCACTGCTGCCAAGGAGAAGTTCGACACCAGGTGAAAACCTCAGCATTG
 ACTCCATTCAAGTCCAGAGAGGTGGCAAGGAGTTCCTGAAGAAGAAGCAGCTGAGCCCCGATGCGGTGGC
 CCAGCTGGCCTTCCAGATGGCCTTCTGAGACAGTATGGCCAGACGGTGGCTACCTATGAGTCTGCAGC
 ACTGCAGCCTTCAAGCACGGCCGACAGAGACTATCCGCCAGCCTCCATCTTTACTAAGAGATGCTCCG
 AGGCGTTTGTCAAGGACCCCTCAAGCACAGTGTGGCGAGCTTCAAGCACATGATGGCTGAGTGTCCAA
 ATACCATGGCCAGCTGACCAAAGAAGCAGCGATGGCCAGGGCTTGGCCGACACTGTATGCTCTGCGC
 TATCTGGCAACGGCCAGAGGACTCAACCTACCTGAGCTCTATCTGGATCTGCATACCAGCAGATGAACC
 ACAACATCTGTCCACCAGCACTCTGAACAGCCAGCAGTGGCCGCTTGGGGGCTTTGCCCTGTGGTCCC
 TGATGGCTTTGGCATTGCATATGCTGTTACAGTACTGGATAGGCTGCAATGTCTCTCTACTCAGGA
 CGCAATGCCCGAGAGTTTCTCCACTGTGTCCAGAAGTGTGGAAGACATTTTCGATGCTCTAGAAGGCA
 AAGCCATCAAACCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_012930
- Insert Size:** 1977 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: [NM_012930.1](#), [NP_037062.1](#)

RefSeq Size: 2296 bp

RefSeq ORF: 1977 bp

Locus ID: 25413

UniProt ID: [P18886](#)

Cytogenetics: 5q34

Gene Summary: inner mitochondrial membrane protein that converts acylcarnitine to acyl-CoA [RGD, Feb 2006]