

Product datasheet for **RR202986**

Cpt1c (NM_001034925) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpt1c (NM_001034925) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpt1c
Synonyms:	CPT1-B; CPTI-B; CPT IC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR202986 representing NM_001034925
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGGCACACCAGGCCTCGAGCTTGTCTTCACTCAGTCCGACGGGGCAGAAGTGGAGCTCA
 GCTCCTCAGTGTGGCAGGAGATTTACCTCTCTGCCTACGCTCCTGGAAAAGGAATCTCTGGCGTGTCTG
 GAATGACTTTTCTTGTGGTGTGGTCCCGCAACGCCCTCAGCTGGCTTTTCTTCTTCACTACAATCCAG
 CTTGCTTGTCTCCTCCAGCTGGACCCTTCCCTAGGACTGATGGAGAAGATTAAAGAGTTGCTGCCAGACT
 GGGGGCAGACACCAGCTCCAGGGCTCCTGGCAGCAGCAGTCTTTGCCTCGTGTGGGGAAAC
 CCTGATCTTACACTTCACTGTGGCTCTGAGGCTCCTGCTGTCCCACCACGGCTGGCTTCTGGAACCTCAT
 GGCACCATGTCTCACCACGAAGACCTGGCTGGCATTGGTCAGAATCTTTTCGGGGAGGCACCCGAGGC
 TCTTCAGCTTTCAACGTGCGCTCCCGCGCAGCCAGTCCCGGAGCGCAAGAGACCGTGCACAAGTACCT
 AGAGTCCATGCGCCTGTCTCCGAGACGACGCTTTCGACAGCGTTGTGGCGCTGGCAAACGACTTCTCTG
 AGGTTGACAGGCGCCACGACTCCAGCTCTATTTGCAACTCAAGTCTGGTGCCTTCCAACACTACGTACGG
 ACTGGTGGGAAGAGTTTGTGTACCTGCGTTCTCGAGGCTCGCTGGTTAATAGCACCTACTACATGATGGA
 TTTTCTGTATGTACCCACACCACTGCAGGCAGCCCGTGCGGGCAATGCCGTGCATACCTGCTCCTG
 TATCGCCACCTTCTGAACCGGCAGGAGATCCCACCGACCTTGTGATGGGGATGCGCCCTTGTGCTCCG
 CCCAGTACGAGAGGATGTTCAACTACACGGATTCCAGGGGTGGAAAAGACTACCTTTGTACCTCCA
 AGACAGCAACATGTGGCTGTCTCCACAGGGCAGATTCTTCCGTGTAGGGACCACTCTTCAATGGC
 CTGCTGTCCCCACGGGCCCTGGAACAGCAGTTCAGTACATCCTGGATGACCCCTCCCAGCCTGTCCCC
 TTGAGGAACATCTAGCTGCTTTGACTGCGCTCCAGGAGTATGTGGGCCAGGTACGTGAGTCTGTGAA
 GACCCATGCGGCCACTGCCCTGGAGACTGTGGAAGGGGCTGCCTTCTTTGTGTCCCTGGATTCTGAGCCC
 GCGGGACTGACCAGAGAGAACCCTCGAGCTTCCCTGGACACCTATGCCACACTCTGCTGACTGGCCAAG
 GCCATGACCGTTGGTTTGACAAATCCTTACCCTCATCGTCTTCTCCAACGGGAAGCTGGGCCTCAGCGT
 GGAGCACTCATGGGCTGACTGCCCTGTGCGGGACATTTATGGGAGTTCACCCTGGCCACAGAGTGTCTT
 CAGTTGGGATATGCCACAGATGGCCACTGAAGGGGCACCCCGACCTGCCCTGCCGAAGCCCCAGCGCC
 TGCAGTGGGACCTTCAAAGCAGATCCAGCCGTCCATCTCTGCGCCTGAGGGGAGCCAAGACCTGTGTC
 TGGCAATATTGACTGCCATGTCTCCCCTTCTTCACTTCGGCAAGAGCTTCATCAAAGGCTGTCATGTC
 TCTTACAGACGTTTCCAGCTGGTCTCGAGCTGGCCACTTCCGGGACAGGGGTCAATTCTGCCTGA
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 GAAGCCGTGGACAAGCACCAGGCCCTGTGAAGGCAGCAATGAGTGGGCAAGGGATCGACCGTCACTCT
 TCGCACTGTACATCATGTCCCGCTTCTCCACATGCAGTCGCCCTTCTGACCCAGGTCCAGTCCGACGA
 ATGGCTTCTGTCTACCAGCCAGATCCCTGTGCAGCAGACACCTGTTCGATGTCCACAATTACCCGGAT
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 GGGAAAACGCAATCAGCTTCCACATCTCCAGCAAGCAATCAAGCACAGAAAACAGACTCACACCGGCTGG
 GCAGCACATTGAAGATGCCCTGTTGGATGTAGCCTCCCTGTTCCAGGCTGGACAGCAATTCAGCGCCAG
 TTCACAGGGCTCGGGGAGAGTTCAGGTTGAAAATACAGCAATCTCTCTGTAAGACTGTGGACCCCAATA
 TCCCAAAATCCTCCACCAACTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202986 representing NM_001034925
Red=Cloning site Green=Tags(s)

MAEAHQASSLLSSLSSDGALEVELSSSVWQEIYLSALRSWKRNLWRVWNDFLAGVVPATPLSWLFLFSTIQ
LACLLQLDPSLGLMEKIKELLPDWGGQHHQLQGLLAAAVFASCLWGTLIFTLHVALRLLSHHGWLLEPH
GTMSSPTKTWLALVRIFSGRHPRLFQFQALPRQPVGAQETVRKYLESMRPVLRDDAFDSVVALANDFL
RLQAPRLQLYLKSWCASNYVSDWEEFVYLRSGSLVNSTYYMDFLYVTPTPLQAARAGNAVHTLLL
YRHLLNRQEIPPTLLMGMRPLCSAQYERMFNTTRIPGVEKDYLCHLQDSQHVAVFHQGRFFRVGTHSSNG
LLSPRALEQQFYILDDPSPACPLEEHLAALTAAPRSMWAQVRESVKTHAATALETVEGAFFVSLDSEP
AGLTRENPAASLDTYAHTLLTGQGHDRWFDKSFTLIVFSNGKGLSVEHSWADCPVAGHLWEFTLATECF
QLGYATDGHCKGHPDPALPKPQRLQWDLPKQIQPSISLALRGAKTSGNIDCHVFPFFHFHGKSFIKGCHV
SSDSFIQLVQLAHFRDRGQFCLTYESAMTRLFLEGRTEIVRSTREACQFVRAMENKERTDQQCLALFR
EAVDKHQALLKAAMSGQIDRHLFALYIMSRLHMQSPFLTQVQSQQWLLSTSQIPVQQTHLFDVHNYPD
YVSSGGGFPAHDHGYGVSYIFMGENAISFHISSKQSSTETDSHRLGQHIEDALLDVASLFAQGQQFKRQ
FTGLGESSGWKYSNLCKTVDPNIPKSSTNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001034925

ORF Size: 2403 bp

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.

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_001034925.2](#), [NP_001030097.2](#)

RefSeq Size: 2747 bp

RefSeq ORF: 2406 bp

Locus ID: 308579

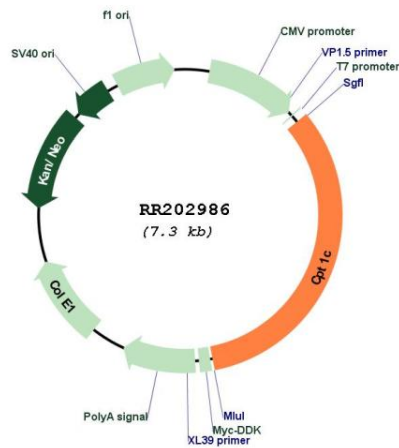
UniProt ID: [F1LN46](#)

Cytogenetics: 1q22

MW: 90.2 kDa

Gene Summary: May play a role in lipid metabolic process.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR202986