

Product datasheet for **MR210716**

Cpt1c (NM_153679) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpt1c (NM_153679) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpt1c
Synonyms:	6530437J22Rik; 9630004I06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210716 representing NM_153679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGAGGCACACCAGGCCTCGAGCTTGTCTTCACTGAGTCCGATGGGGCAGAAGTAGAGCTCA
 GCTCGCCAGTGTGGCAGGAAATTTACCTCTGTGCCCTGCGCTCCTGGAAAAGGCATCTCTGGCGTGTCTG
 GAATGACTTTTCTTGTGGTGTGGTCCCTGCAACCCCCCTCAGCTGGCTCTTCTTCTTCACTACAATCCAG
 CTTGCCTGTCTCCTCCAGCTGGACCCTTCCCTAGGACTGATGGAGAAGATTAAAGAGTTACTGCCAGACT
 GGGGGCAGACACCATCAGCTCCAGGGTTCTTGTGAGCAGCAGTTTTTGCATCTTGTTTGTGGGGAGC
 CCTCATCTTACCCTTCACTGTGGCTCTGAGGCTCCTTCTGTCCCACCATGGCTGGCTTCTGGAACCTCAT
 GGGCCATGTCTCACCCACGAAGACCTGGCTGGCATTGGTCAGAATCTTTCCGGGAGGCACCCGAGGC
 TCTTCAGCTTCCAACGCGCGCTCCGCGACAGCCAGTCCCCTCGGCGCAGGAGACCGTGCACAAGTACCT
 AGAGTCTGTACGCCCTGTCTCGGAGACGACGCTTTCGACGCGCTACAGCGCTGGCAAATGACTTCTCTG
 AGGTTGCACGCACCACGGCTACAGCTCTATTTGCAACTCAAGTCTGGTGTACTTCCAACACTACGTACAGC
 ACTGGTGGGAAGAGTTTGTGTACCTGCGCTCTCGAGGCTCACTGATTAATAGCACCTACTACATGATGGA
 TTTTCTGTACGTACCCACACCCGCTGCAGGCAGCCGCGCGGGCAATGCTGTGCATACCTGCTCCTG
 TATCGCCACCTGTGAACCGGCAGGAGATCTCACCGACATTGCTGATGGGGATGCGACCCTTGTGTTCCG
 CCCAGTATGAGAGGATGTTCAACTACACGGATTCCAGGGGTGGAAAAGACCACCTTCGTACACCTTCA
 AGACAGCCGACACGTGGCTGTCTCCACCGGGCAGATTCTTCCGTGTAGGGACTCACTCTCCAATGGC
 CTGCTTTCCACGGGCCCTGGAACAGCAGTTCAGGACATCCTGGATGACCCCTCCACAGCCTGTCCCC
 TTGAGGAACACCTAGCTGCTGACTGCTGCTCCAGGAGTATGTGGGCTCAGGTGCGGGAGTCCGTGAA
 GACCCACGCAGCCACCGCCTGGAGGCTGTGGAAGGGGCTGCCTTCTTTGTGTCCCTCGATTCTGAGCCC
 GCGGGACTGACCAGAGAGACCCCGCAGCTTCCCTGGACGCTTATGCCACGCTCTGCTGGCTGGCCGAG
 GCCATGACCGCTGGTTTGACAAATCCTTACCCTCATCGTCTTCTCCAATGGGAAGCTGGGCCTCAGCGT
 GGAACACTCATGGGCCGACTGCCCTGTCTCAGGGCATTGTGGGAGTTCACCCTGGCCACAGAGTGTCTC
 CAGTTGGGTTATGCCACAGATGGCCACTGTAAGGGGCACCCTGACCTACCCTGCCACAGCCCGAGGCC
 TGCAGTGGGACCTTCCAGAGCAGATCCAGCCGTCCATCTCGTGGCCCTGAGGGGAGCCAAGACCTTGTC
 TGGCAACATCGACTGCCACGTCTTCCCCTTCTCCACTTCGGCAAGAGCTTCATCAAATGCTGTCATGTC
 TCTTCAGACAGCTTCATCCAGTTGGTCTCGAGCTGGCCACTTCCGGGACAGGGGTCAATTCTGCCTGA
 CTTATGAGTCAGCCATGACCCGACTGTTCTGGAAGGCAGGACAGAGACAGTGAAGTCTTGACCCAGAGA
 AGCCTGCCAGTTTGTGAGAGCCATGGACAACAAGGAGACAGACCAACATTGCCTCGCCCTGTTCCGAGTG
 GCCGTGGACAAGCACCAGGCTCTACTGAAGGCGCGATGAGTGGCCAGGGGATTGACCGTCACTCTTTG
 CACTGTACATCATGTCCCGGCTCCTCCATATGCAGTCGCCCTTCTGACCCAGGTCCAGTGCAGCAATG
 GCTGCTGTCCACCAGCCAGGTCCTGTGCAGCAGACACACTGATTGATGTCCACAATTATCCGGATTAC
 GTTTCCTCTGGAGGTGGATTTGGGCTGCCATGACCATGGGTATGGTATCTCTACATCTTCATGGGGG
 AAAACGCAATCACCTTCCATATCTCCAGCAAGAAATCAAGCACAGAAACAGACTCTACCCGGCTGGGGCA
 GCACATCGAAAAATGCCCTGTTGGATGTAGCCTCCCTGTTCCGGGTTGGACAGCATTTCAGCGCCAGTTC
 AGGGGGGAGAATTCGGATTATAGATACAACTTTCTCTCTGTAAGACTGTGGACCCCAATACCCCTACAT
 CCTCCACCAACTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210716 representing NM_153679
Red=Cloning site Green=Tags(s)

MAEAHQASSLLSSLSSDGALEVELSSPVWQEIYLCALRSWKRHLWRVWVNDFLAGVVPATPLSWLFLFSTIQ
LACLLQLDPSLGLMEKIKELLPDWGGQHHQLQGFLSAAVFASCLWGALIFTLHVALRLLLSHHGWLLEPH
GAMSSPTKTWLALVRIFSGRHPRLFQFQALPRQPVPSAQETVRKYLESVRPVLGDDAFDRATALANDFL
RLHAPRLQLYLQLKSWCTSNYVSDWEEFVYLRSGSLINSTYYMDFLYVTPTPLQAARAGNAVHTLLL
YRHLNLRQEISPTLLMGMRPLCSAQYERMFNTTRIPGVEKDHLRHLQDSRHVAVFHRGRFFRVGTHSPNG
LLSPRALEQQFQDILDDPSACPLEEHLAALTAAPRSMWAQVRESVKTHAATALEAVEGAAFFVSLDSEP
AGLTREDPAASLDAYAHALLAGRGRHDFDKSFTLIVFSNGKLGLSVEHSWADCPVSGHLWEFTLATECF
QLGYATDGHCKGHPDPTLPQPQLQWDLPEQIQPSISLALRGAKTSGNIDCHVFPFSHFGKSFICKCHV
SSDSFIQLVQLAHFRDRGQFCLTYESAMTRLFLEGRTEIVRSC TREACQFVRAMDNKETDQHCLALFRV
AVDKHQALLKAAMSGQIDRHLFALYIMSRLMHMQSPFLTQVQSQQWLLSTSQVPVQQTHLIDVHNYPDY
VSSGGGFGPAHDHGYGISYIFMGENAIFHISKKSSSTETDSHRLGQH IENALLDVASLFRVQGHFKRQF
RGENSDYRYNFLSCKTVDPNTPTSSTNL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_a07.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_153679

ORF Size: 2394 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_153679.2](#), [NP_710146.1](#)

RefSeq Size: 2811 bp

RefSeq ORF: 2397 bp

Locus ID: 78070

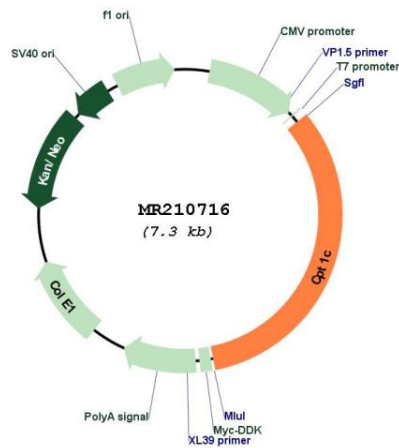
UniProt ID: [Q8BGD5](#)

Cytogenetics: 7 B3

MW: 90.5 kDa

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

Product images:



Circular map for MR210716