

Product datasheet for **RC226801**

CROT (NM_001143935) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CROT (NM_001143935) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CROT
Synonyms:	COT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC226801 representing NM_001143935
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAAAATCAATTGGCTAAATCAACTGAAGAACGAACATTTTCAGTACCAGGATTCTCTCCATCACTGC
CTGTTCCCTTCACTTGAAGAATCATTAAAAAATACCTTGAATCAGTCACCAGAACATGCTACCAGATAAG
GGGCTTGATCCAGATGCTAAGAGAGGGTTCTTGATCTCACGCGGAAGGAATTCAGTAAAACCATTT
GCAAAATCAAGAAGATATAAGAAAATGAAGAAATAGTTCAAAAATTTCAAAGTGGGATTGGAGAAAAAT
TGCACCAGAAATGCTTGAAGAGCAAAAAGAAAAGAAATGGCTGGAAGAGTGGTGGCTGAATGTTGC
CTATCTGGATGTTGCTATACCATACAATTGAATGTCAACTTTGCGGGTCTGCAGCTCATTTTGAACAC
TACTGGCTCCAAAGGAAGGACTCAATTAGAAAGAGGAAGTAACTCTTGGCATAACTTGAAGTACT
GGCAGCTATTAAGAAAAGAAAAGTGCCTGTTCAAAAGTTGAAATACTCTCTAGATATGAATCAATT
CCGAATGCTATTTCTACCTGCAAGGTTCCAGGAATTACTAGAGACTCCATTATGAATTATTTAGGACT
GAGAGTGAAGGGCGTTCCCAAAACCACATTGTAGTGTGTGTCGAGGCCGAGCTTTTGTCTTTGATGTAA
TACATGAAGGATGTTTGGTCACCCCGCCAGAGCTTCTCAGACAACGACATATATCCACAAGAAGTGCCA
TAGTGAACCTGATGGACCTGGGATTGCAGCATTAACTAGTGAGGAGCGAACTCGATGGGCTAAGGCACGA
GAATATCTGATTGGTCTTGATCCAGAGAACTTGGCTTTGTTAGAAAAATTCAGAGTAGTTTACTGGTAT
ATTCATGGAGGATAGCAGTCCACATGTAACACCAGAGGATTATCTGAGATTATTCAGCCATCCTTAT
TGGAGATCCAACAGTACGCTGGGGTGACAAATCCTATAACTTGATTTCTTTTCTAATGGAGTATTTGGC
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TTTTTCAGAATGAAGGAAGATGGAAGGGTTCAGAGAAGTACGAGATATACCACTCCAGAAGAGCTCAT
TTTCATTGTGGATGAGAAAGTTTTAAATGACATCAACCAAGCTAAAGCCAGTATCTCAGGGAGGCATCT
GATCTACAGATTGCGGCTTATGCCTTTACATCTTTTGGCAAAAAGCTAACCAAGAACAAGATGCTTCACC
CGGATACGTTTATTACAGCTTGCACCTCAGCTGGCCTATTACAGACTTCATGGACACCCTGGTTGTTGCTA
TGAAACAGCTATGACAAGACATTTTATCATGGCCGTACAGAGACTATGCGATCATGCACAGTTGAAGCA
GTGAGGTGGTGCCAGTCCATGCAGGATCCTTCTGTCAATCTTCGTGAGCGGCAGCAAAAGATGTTACAAG
CTTTTGAAGCATAATAAAATGATGAAAGATTGTTTCAGCTGGAAAAGGATTTGATCGTCACCTTTTAGG
TCTCTTACTCATAGCAAAAGAGGAAGGTCTTCTGTTCCAGAACTCTTACGGACCCACTTTTTTCCAAA
AGCGGAGGAGGTGAAATTTTGTCTCTCAACAAGTCTGGTTGGCTATTTACGAGTCCAGGGAGTGGTAG
TTCCCATGGTACACAATGGTTATGGATTTTCTACCATATCAGAGATGACAGGTTTGTGTGGCCTGTTT
AGCCTGGAATCCTGTCCCGAGACTGATGCGGAAAAGCTAGTTCAGCTGACTTTTTGTGCTTTTCATGAT
ATGATACAGCTGATGAACTCTACTCATCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_001143935.2](#)

RefSeq ORF: 1923 bp

Locus ID: 54677

UniProt ID: [Q9UKG9](#)

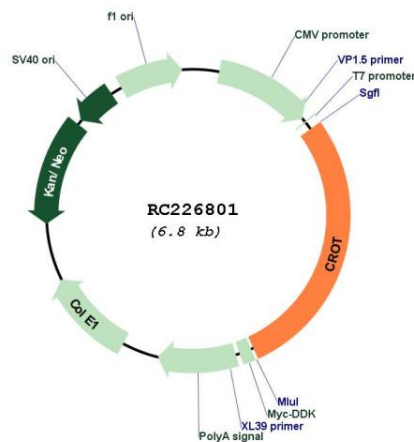
Cytogenetics: 7q21.12

Protein Families: Druggable Genome

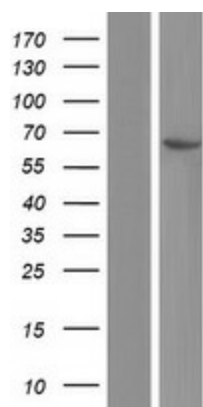
MW: 73.2 kDa

Gene Summary: This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded protein converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long- chain acyl-CoA molecules out of the peroxisome to the cytosol and mitochondria. The protein thus plays a role in lipid metabolism and fatty acid beta-oxidation. Alternatively spliced transcript variants have been described.[provided by RefSeq, Jan 2009]

Product images:



Circular map for RC226801



Western blot validation of overexpression lysate (Cat# [LY428407]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226801 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).