

Product datasheet for **RN201019**

Crot (NM_031987) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crot (NM_031987) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Crot
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201019 representing NM_031987
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAAATCAATTGGCTAAGTCAATTGAAGAACGAACATTCCAGTACCAGGACTCTCTCCGCCCTTGC
 CCGTTCCTTCGCTTGAAGAATCACTGAAGAAGTACCTTGAGTCAGTGAAGCCATTTGCAAATGAAGACGA
 ATACAAGAAAAGTGAAGAATAGTTCAAAAAGTTTCAAGATGGAGTTGGCAAGACATTGCATCAGAAAGTTA
 CTTGAAAGGGCTAAAGGAAAAAGAACTGGCTGGAAGAGTGGTGGCTCAATGTCGCCTACTTGGATGTGC
 GTATTCATCACAACGAACGTGAACCTTGTGGGTCCGCTCCCCACTTTGAACACTACTGGCCTGCAAG
 GGAAGGCACTCAGTTGGAAGAGGAAGCATACTACTGTGGCACAACCTGAACTACTGGCAGCTGCTAAGA
 AGAGAAAAATTGCCTGTACATAAATCTGGAATACTCCTCTAGACATGAACCAATCCGGATGCTGTTTT
 CTACCTGCAAGGTTCCGGGAATCACTAGAGATTCGATTATGAATTATTTAAGACTGAGAGCGAGGGGCA
 TTGTCCGACCCACATTGCCGTGTGTGTGAGGCAGAGCGTTTGTCTTCGATGTCTCCATGACGGTTGT
 TTGATCACCCACCAGAACTTCTCAGACAACCTGACATACATCTACCAGAAATGCTGGAATGAACCTGTTG
 GGCCCACTATAGCGGCATTAACCACTGAGGAGCGAACTCGGTGGGCGAAGGCAAGAGAATATCTGATTGG
 TCTTGATCCAGAGAACTTGACTTTATTAGAAAAAATTCATCCAGTTTATTTGTGTATTCCATAGAAGAC
 ACCAGTCCACATGCAACCCAGAAAAATTTTCTCAGGTCTTTGAAATGCTTCTTGGTGGAGATCCAGCAG
 TGCGCTGGGGTGACAAGTCTATAATCTGATTTCTTTGCTAACGGAATATTTGGCTGTAGCTGTGATCA
 TGCTCCTATGATGCAATGCTTATGGTGAACATTGCTCACTATGTTGATGAGAAGCTCTAGAGACGGAA
 GGGAGATGGAAGGGTTGAGAAAAAGTCCGGGATATACCGTTGCCAGAGGAGCTGGCTTTCCTGTGGATG
 AGAAGATACTGAATGACGTCTACCAAGCCAAAGCCCAACACCTCAAAGCAGCATCTGATTTACAGATAGC
 AGCATCTACCTTCACATCTTTTGGCAAAAAGCTCACTAAGAAGGAGGCCCTTCCACCTGACACCTTTATT
 CAGCTCGCTCTTCAGCTCGCCTACTACAGACTTCATGGACGCCCGGTTGCTGCTATGAAACAGCTATGA
 CAAGATACTTTTACCATGGCCGAACAGAGACTGTGCGATCTTGTACAGTGGAGGCCGTCAGGTGGTGCCA
 GTCCATGCAGGATCCTTCTGCCAGTCTCCTTGAACGTCAGCAAAAGATGTTAGACGCTTTTGGAAAGCAT
 AACAGATGATGAGAGATTGTTCCATGGAAAAGGATTTGACCGTCACCTTTTAGCCTTTTGTCTATAG
 CAAAAGAGGAAGGCTCCCTGTTCCAGAACTGTTTGGAGTCCACTTTTCTCCAGAAAGTGGAGGAGGTGG
 GAATTTTGTGCTGTCAACAAGTCTGTTGGTACTTACGAATTCAGGGAGTCGTGGTCCCATGGTACAT
 AATGGATACGGCTTTTCTACCACATCAGAGATGACAGGTTTGTGGTACATGTTTCATCCTGGAGGTCAT
 GTCTTGAGACTGATGCAGAAAAGTTAGTGGAGATGATTTTTCATGCTTTCACAGATATGATACATCTGAT
 GAACACGGCTCATCTT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031987
- Insert Size:** 1839 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_031987.1](#), [NP_114193.1](#)

RefSeq Size: 2681 bp

RefSeq ORF: 1839 bp

Locus ID: 83842

UniProt ID: [P11466](#)

Cytogenetics: 4q12

Gene Summary: catalyzes the conversion of L-carnitine and octanoyl-CoA to L-octanoylcarnitine and CoA; plays a role in fatty acid transport [RGD, Feb 2006]