

## Product datasheet for **MC204447**

### **Cnot3 (NM\_146176) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cnot3 (NM_146176) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnot3
Synonyms:	A930039N10Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC030332  
 CCACGCGTCCGGATCCCTGAATCCCCTACTCGGTCGTCTAGAACAATCCCGGGCCCACTTCTCTATCAA  
 CAACCCAAACCCTACTTCCGGCTTTCGCGCCCTCTTATCGCGATAGCGCCCGGGCTCGGGGCGGAGGAAA  
 GAGGAAAAAAAAAAAAAAAAAGGCGGCGGGCGGCGCTCGCCTCTCTCCCCCTCTCGCCTGTGCG  
 CGATACGCTCCGACGCGGCGGCCAGCTCCTGCGCGGCCATTTTCAAGAGAGTATGAAGAGAGTGCCTC  
 TGTAGGGCAGGGAAGATGGCGGACAAGCGCAAACCTCAAGGTGAGATTGATCGCTGCCTCAAGAAGGTGT  
 CCGAAGGGGTGGAGCAGTTTGAAGATATTTGGCAAAGTCCACAATGCAGCCAACGCGAACCCAGAAGA  
 AAAGTATGAGGCTGACCTAAAGAAGGAGATTAAGAAGCTACAACGCTGAGGGACCAGATCAAGACATGG  
 GTAGCATCAAATGAGATCAAGGACAAAAGCAGCTTATTGAAAACCGCAAGCTCATTGAGACGCAAATGG  
 AACGGTTCAAAGTTGTGGAACGAGAGACAAAACCAAAGCGTATAGCAAGGAGGGTCTGGGTCTGGCTCA  
 GAAGGTGGATCCTGCCAGAAGGAGAAGGAAGAAGTTGGCCAGTGGCTCACGAACACATTGACACCTTA  
 AATATGCAGGTGGACCAGTTTGAAGTGAAGTGGAGTCACTGTGCGTACAGACACGCAAGAAGAAAGGCG  
 ACAAGGATAAGCAGGACCGGATTGAGGGCTTGAAGCGGCATATCGAGAAGCACCGCTACCATGTTGAT  
 GCTGGAGACCATCCTGCGAATGTGGACAATGACTCCATCCTGGTTGATGCCATCCGCAAGATCAAGGAT  
 GATGTGGAGTACTACGTTGACTCATCCCAGGACCCCGACTTTGAAGAGAACGAATTCCTCTATGACGACC  
 TGGACCTCGAGGACATTCACAGGCGCTGGTCGCCACCTCCCCCCCAGCCACAGCCACATGGAGGACGA  
 GATCTTCAACCAGTCTAGCAGTACACCCACCTCAACAACCTCCAGCTCTCCCATCCCACCCAGCCAGCA  
 AACTGCACTACGGAAAACCTCTGAAGATGATAAGAAGAGAGGCCGATCTACAGATAGTGAAGTCAAGCAGT  
 CTCCAGCCAAAAATGGCTCCAAGCCTGTCCACAGCAACCAGCACCCCACTCCCAGCTGTGCCGCCAC  
 CTACCCCTCTGGCCCCCACCTACCACTTCTGCCTTGAAGTCCACCCCTGGCAACAATGGGGCTCTACC  
 CCAGCAGCACCTACAAGTGCCTGGGCCCTAAGGCCAGTCCAGCTCCCAGCCACAACCTCGGGTACTCCTG  
 CACCCTATGCCAGGCTGTGGCCCCACCTAATGCCAGCGGGCCAGCAATGCCAGCCACGGCCCCCAG  
 TGCCCAAGCGGGGGAAGTGGTGGTGGCAGCGGAGGAGCAGCAGCAATAGTAAACAGTGGCACAGGC  
 GGAGGGGCTGGCAAGCAGAACGGTGGCACAAGCTATAGTTCGGTGTGGCAGACAGCCCTGCAGAGGTGA  
 CCCTGAGTAGCAGTGGGGCAGCAGTGCCAGCAGCCAAGCCCTTGGGCCACTTCGGGCCCTCACAAACC  
 AGCTCCCAGCACCTCAAAGGAATCCAGTACGGCAGCCCCATCAGGGGCTGGGAATGTGGTTCAGGCTCA  
 GGAATAACTCGGGGGACCCAGCCTCTTGGTCCACTGCCTGTAATCCCCCAGTTCTCCAACGCCCA  
 GCTTCAGTGAAGCAAGGCAGCTGGTACCCTGCTTAATGGTCTCCACAGTTCAGCACCACCCAGAAAT  
 CAAGGCCCTGAACCACTCAGCTCTCTGAAATCCATGGCAGAACGGGCAGCTATCAGCTCTGGTATTGAG  
 GACCCTGTGCAACGTTACACCTAACTGATCGAGACATCATCCTGAGCAGCAGCATCAGCACCACCCACT  
 CATCCCAGCCACCCTGCAGCTGTGAGAGTGAACATACCATTGTCACTGGGTGTCTGTCCACTGGGGCC  
 AGTTTCCCTCACCAGGAGCAGCTATACCAACAGGCCATGGAAGAGGCCGCTGGCACCACATGCCCCAC  
 CCCTCTGACTCCGAGCGCATTCCGCGAGTACCTCCCCCGGAACCCTTGGCCGACACCCCTACCACCACC  
 AGATGCCACCCCACTCGGACACTGTGGAGTCTACCAGCGCCTGTCAACTGAGACGCTCTTCTTCAT  
 CTTCTACTATCTGGAGGGAACCAAGGCACAGTACTTGGCAGCCAAGGCCCTAAAGAAGCAGTCTGGCGA  
 TTCCACACCAAGTATATGATGTGGTCCAGAGGCACGAGGAGCCTAAGACCATCAGATGAGTTTGAGC  
 AGGGCACCTACATCTACTTTGACTACGAGAAGTGGGGCCAGCGGAAGAAGGAAGGCTTACCTTTGAGTA  
 CCGCTACTGGAGGACCGGGACCTCCAGTGACACCGCCCCCTTACCCTCTCCCTCCCTCGCATGCTG  
 ATCCCCCTGCCAGGTGAGGGCCCTGCCCTGGAAGACTGGGGGAGGCCCAAGGCCATGGGACACCCCTCCC  
 CCCCAGGAAGCAGGGAAGGATAGGGAGTTTTCTTCTCTCTGCCCCTACCCTGGGGGCTGGGGGCA  
 AGGGCTGCCCCCTCCTCCCTCCCAGTGGGACATTTTTTGGTAAACCTATTTTCATTTTGAAAATA  
 TTTATGAATAAATAGTTTTATATGAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_146176  
**Insert Size:** 2256 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC030332</a> , <a href="#">AAH30332</a>
<b>RefSeq Size:</b>	2849 bp
<b>RefSeq ORF:</b>	2256 bp
<b>Locus ID:</b>	232791
<b>UniProt ID:</b>	<a href="#">Q8K0V4</a>
<b>Cytogenetics:</b>	7 A1
<b>Gene Summary:</b>	Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. May be involved in metabolic regulation; may be involved in recruitment of the CCR4-NOT complex to deadenylation target mRNAs involved in energy metabolism. Involved in mitotic progression and regulation of the spindle assembly checkpoint by regulating the stability of MAD1L1 mRNA. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation; the repressive function may involve histone deacetylases. Involved in the maintenance of embryonic stem (ES) cell identity; prevents their differentiation towards extraembryonic trophoctoderm lineages.[UniProtKB/Swiss-Prot Function]