

## Product datasheet for **MC206182**

### **Cnot6 (BC062950) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cnot6 (BC062950) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnot6
Synonyms:	CCR4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC062950  
 CGGCCGCCGCATGATGCTTGTGGCTTCAATGAAAACGAGGGGGCGCGGAAGAGGAGGCGTCGGCGT  
 CGGTGGCGGGCGGTCGACGGCGCGGAGGCGAAGGCGGGCGGGCGGGCGAGGAGGGCGAGGCCGGG  
 TCCGAGAGGGCGGAGAGCGTAGCGGGCTCGTGGGGTCCGGGGCGGGAGGCGGGCGGCTGAGGAGC  
 GGGCGCCGAGGAGGGGAACAAAGAGCGGGCGGAGGCGCTGCAGCAGCGGGCGGGACTGGTATGGTGG  
 TTCCACAGGGCAGACCCCGCTGCACTCATCGGGAGGAGGCGGGCAGCGGGGAGGAAGCGGGCAGC  
 TCGAGAGGCATGCCCAAAGAAAAGTACGAGCCCCCTGACCCTCGGAGGATGTACACAATTAATGTCCTCTG  
 AGGAAGCAGCAAATGGAAAGAAAATCACATTGGGCAGAGCTTGAAATAAGTGAAAAGTAAGAAGCTTAAG  
 CTCATCTTTGTGGTCACTCACTCACTTGACAGCTTTGCATCTGAGTGACAATCCCTGTCCTGTATTCTT  
 TCAGACATTGCCAAGCTTCACAATCTGGTATATCTGGACCTGTCCATAATCAAATCCAGAGTTTACCGG  
 CAGAACTCGAAACATGGTATCACTCAGGGAGCTCCATTTAAATTACAACCAGTTACGAGTTCTACCTTT  
 TGAGCTGGGAAAAGTGTTCAGTTGCAGACTTTAAGCCTGAAAGGAAATCCACTTACCCAGGATATATTG  
 AACCTCTGTCTGGAGCCAGATGGAACAAGAAGGCTACTGAACTACTTGTCTGATAATTTGTCAGTTTCAA  
 CAGAACAACCACCTCAAGATCTTGGATCATGTTACAAGAACCAGACAGAACAAGGCCAACAGCCTTGTT  
 TTCTGTATGTGTATAATGTTCTTTGTGATAAATATGCGACCCGCGAGTTATACGGCTACTGTCCATCA  
 TGGGCACTTAATTGGGACTACAGGAAAAAGGCCATTATTCAGAAATTTTGAGCTGCAATGCTGATATTA  
 TAAGTCTTCAGGAAGTTGAAACAGAGCAGTATTACAGTTTTTTCTGGTGAAGTAAAGAACGTTGGCTA  
 TAATGGATTCTTTAGTCCAAAGTCTCGAGCTCGGACTATGTCTGAAACAAGAACGAAAGCATGTTGATGGC  
 TGTGCAATATTCTTCAAGACGGAAAAATCACTTTGGTTCAGAAACACACAGTTGAATTTAATCAGCTAG  
 CAATGGCGAATTCAGAAGGGTCTGAAGCCATGTTGAACAGAGTCATGACAAAGGATAACATTGGAGTTGC  
 AGTACTGCTAGAAGTTCGAAAGGAATGATTGAAATGTCATCTGGAAAACCATCTGGGAAACAGAAAAA  
 CAACTTATTCTCGTGGCTAATGCTCATATGCATTGGGACCCTGAGTACTCAGACGTGAAGTTGGTACAAA  
 CTATGATGTTCCCTCAGAAAGTGAAGAATATTATTGATAAAGCCTCTCGGAGCCTCAAATCCAGTGTATT  
 GGGAGAATGTGGAAGTATTCTCTTGTGTTATGTGCAGATCTGAATTTCTTGGCAGACTCTGGTGTGTA  
 GAGTATTTGAGCACTGGTGGGTAGAAACAATCATAAAGACTTCAAGGAACTGAGGTACAATGAAAGTC  
 TCACAACTTCAGCTGCAATGGGAAGAATGGGATGACCAATGGAAGGATCACTCATGGTTTCAAGTTAAA  
 GAGTGCCTATGAGAATGGCCTGATGCCTTACCCAATTATACATTTGATTTCAAGGGTATAATTGACTAC  
 ATCTTCTATTCTAAACCTCAGCTGAATACTTTAGCCATCCTGGGACCTCTGGATCACCATTGGCTAGTCG  
 AGAATAACATCAGCGGCTGCCACATCCACTTATCCCTCTGACCACTTCTCACTTTTTGCACAATTGGA  
 GCTCTTACTGCCTTTCTGCCCAAGTTAATGGCATTACCTTCTGGCAGGAGGTAGTCACTTTCAGAG  
 GACCTCAGATTTACTTGTAAACTCGTGAATCTGAATATAGGAGAGTAAGGTATGGCCACTAGGGATTT  
 TTCTCAATGATCATTTGAATTTTCAAGTCTGGTTATTTGATAAAGGTATAGTATGAAAGCCAGGTGCTAG  
 CAACAGACAAATTCTGAGCCAGTGTACTTTATATACTGTAGACAGGGACTGGTGTGTTTACACCTTTT  
 AATTTGTTACAAGTAATTTCTGTTTCTTCTCCAATGTGTTTGTATGCCTTGAATAGGAAGATG  
 TGTGAGCAGTGTGCTGTTTGCACAGAAATCCACAGCACTGTTTTCTGAGGCCAGTAGTAACATCAGAGAC  
 CGTTCTTCCAGACTTTACTCCCTCTTTTTTCAAGTCTGTTTGTAAAATGTAGAATTTGAATTTAGCCTTT  
 ATGATTGTATATGATCCACAGAAGACCTGATTTATGAAGTTTTGTACTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** BC062950  
**Insert Size:** 1659 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC062950](#), [AAH62950](#)

**RefSeq Size:** 2516 bp

**RefSeq ORF:** 1659 bp

**Locus ID:** 104625

**Cytogenetics:** 11 B1.2

**Gene Summary:** Poly(A) nuclease with 3'-5' RNase activity. Catalytic 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. Involved in mRNA decay mediated by the major-protein-coding determinant of instability (mCRD) of the FOS gene in the cytoplasm. In the presence of ZNF335, enhances ligand-dependent transcriptional activity of nuclear hormone receptors. Mediates cell proliferation and cell survival and prevents cellular senescence.[UniProtKB/Swiss-Prot Function]