

Product datasheet for **RN206851**

Cnot6 (NM_001013856) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot6 (NM_001013856) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnot6
Synonyms:	CCR4; RGD1310783
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206851 representing NM_001013856
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAAAGAAAAGTACGAGCCCCCTGACCCCTCGGAGGATGTACACAATTATGTCTCTGAGGAAGCAG
 CAAATGGAAAGAAATCACATTGGGCAGAGCTTGAATAAGTGAAAAGTAAGAAGCTTAAGCTCATCTTT
 GTGGTCACTAACTCACTTGACAGCTTTCATCTGAGTGACAATCCCTGTCTGTATTCTTCAGACATT
 GCCAAGCTTCACAATCTGGTATATCTGGACCTGTCCATAATCAAATCCAGAGTTTACCGGCAGAAGCTCG
 GAAACATGGTATCACTCAGGGAGCTCCATTTAAATTACAACAGTTACGAGTTCTACCTTTGAGCTGGG
 AAAACTGTTTCAGTTGCAGACTTAAAGCCTGAAAGGAAATCCACTTACCCAGGATATATTGAACCTCTGT
 CTGAGCCAGATGGAACAAGAAGGCTACTGAACTACTTGTCTGATAATTTGTCAGGACTGCAAAAAGAA
 TTTCAACAGAACAACCACCTCAAGATCTGGATCATGTTACAAGAACCAGACAGAACAAGGCCAACAGC
 CTTGTTTTCTGTCATGTCTATAATGTTCTTTGTGATAAATATGCGACCCGGCAGTTATACGGCTACTGT
 CCATCATGGGCACATAAATGGGACTACAGGAAAAGGCCATTATCAAGAAATTTGAGCTGCAATGCTG
 ATATTATAAGTCTTCAGGAAGTTGAAACAGAGCAGTATTACAGTTTTTTCTGGTAGAAGTAAAAGAACG
 TGGCTATAATGGATTCTTTAGTCCCTAAGTCTCGAGCTAGGACTATGTCTGAACAGGAAAGAAAGCATGTT
 GATGGCTGTGCAATATTCTTCAAGACTGAAAAATTTACTTTGGTTTCAGAAACACACGGTTGAATTTAATC
 AGCTAGCAATGGCGAATTCAGAAGGGTCTGAAGCTATGTTGAACAGAGTCATGACAAAGGATAACATTGG
 AGTTGCCGTACTGCTAGAAGTTCGAAAGGAATTGATTGAAATGTCATCTGGAAAACACATCTGGGAACA
 GAAAAACAACCTATTCTTGTGGCTAATGCTCATATGATTGGGACCCTGAATACTCAGACGTGAAGTTGG
 TGCAAACTATGATGTTCCCTTTCAGAAGTGAAGAATATTATTGATAAAGCCTCTCGGAGCCTCAAATCCAG
 TGTATTGGGAGAATGTGGAAGTTCCTACTTGTGTTATGTGCAGATCTGAATTCCTTTCAGACTCTGGT
 GTTGTAGAGTATTTGAGCACTGGTGGGGTGAACAAATCATAAAGACTTTAAGGAACTGAGATACAATG
 AAAGTCTTACAACTTCAGCTGCAATGGGAAGAAATGGGATGACCAATGGAAGAATCACACATGGTTTCAA
 GTTAAAGAGTGCCTATGAGAATGGCCTGATGCCTTACACGAATTACACATTTGATTTCAAGGGTATAATT
 GACTACATCTTCTATTCTAAACCTCAGCTGAATACTTTAGCCATCCTGGGACCTCTGGACCACCATTGGC
 TAGTTGAGAATAACATCAGCGGCTGCCACATCCACTATTCCCTCCGACCCTCTCACTTTTTGCACA
 ATTGGAGCTCTTACTGCCTTTCCTGCCCAAGTAAATGGCATTACCTTCTGGCAGGAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001013856

Insert Size: 1674 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_001013856.1](#), [NP_001013878.1](#)

RefSeq Size: 2213 bp

RefSeq ORF: 1674 bp

Locus ID: 287249

UniProt ID: [Q6AXU9](#)

Cytogenetics: 10q21

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]