

Product datasheet for **RR206851**

Cnot6 (NM_001013856) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR206851 representing NM_001013856
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAAAGAAAAGTACGAGCCCCCTGACCCCTCGGAGGATGTACACAATTATGTCTCTGAGGAAGCAG
 CAAATGGAAAGAAATCACATTGGGCAGAGCTTGAATAAGTGAAAAGTAAGAAGCTTAAGCTCATCTTT
 GTGGTCACTAACTCACTTGACAGCTTTGCATCTGAGTGACAATCCCTGTCTGTATTCTTCAGACATT
 GCCAAGCTTCACAATCTGGTATATCTGGACCTGTCCATAATCAAATCCAGAGTTTACCGGCAGAAGCTCG
 GAAACATGGTATCACTCAGGGAGCTCCATTTAAATTACAACAGTTACGAGTTCTACCTTTTGTAGCTGGG
 AAAACTGTTTCAGTTGCAGACTTAAAGCCTGAAAGGAAATCCACTTACCCAGGATATATTGAACCTCTGT
 CTGGAGCCAGATGGAACAAGAAGGCTACTGAACACTTGTCTCGATAATTTGTCAGGACTGCAAAAAGAA
 TTTCAACAGAACAACCACCTCAAGATCTGGATCATGTTACAAGAACCAGACAGAACAAGGCCAACAGC
 CTTGTTTTCTGTCATGTCTATAATGTTCTTTGTGATAAATATGCGACCCGGCAGTTATACGGCTACTGT
 CCATCATGGGCCTAAATTTGGGACTACAGGAAAAGGCCATTATCAAGAAATTTTGTAGCTGCAATGCTG
 ATATTATAAGTCTTCAGGAAGTTGAAACAGAGCAGTATTACAGTTTTTTCTGGTAGAAGTAAAAGAACG
 TGGCTATAATGGATTCTTTAGTCCCTAAGTCTCGAGCTAGGACTATGTCTGAACAGGAAAGAAAGCATGTT
 GATGGCTGTGCAATATTCTTCAAGACTGAAAAATTTACTTTGGTTTCAAGAACACACGGTTGAATTTAATC
 AGCTAGCAATGGCGAATTCAGAAGGGTCTGAAGCTATGTTGAACAGAGTCATGACAAAGGATAACATTGG
 AGTTGCCGTACTGCTAGAAGTTCGAAAGGAATTGATTGAAATGTCATCTGGAAAACACATCTGGGAACA
 GAAAAACAACCTATTCTTGTGGCTAATGCTCATATGCATTGGGACCCTGAATACTCAGACGTGAAGTTGG
 TGCAAACATGATGTTCCCTTTCAGAAGTGAAGAATATTATTGATAAAGCCTCTCGGAGCCTCAAATCCAG
 TGTATTGGGAGAATGTGGAAGTATCCACTTGTGTTATGTGCAGATCTGAATCTTTGCCAGACTCTGGT
 GTTGTAGAGTATTTGAGCACTGGTGGGGTGAACAACAATCATAAAGACTTTAAGGAACTGAGATAAATG
 AAAGTCTTACAACTTCAGCTGCAATGGGAAGAATGGGATGACCAATGGAAGAATCACACATGGTTTCAA
 GTTAAAGAGTGCCTATGAGAATGGCCTGATGCCTTACACGAATTACACATTTGATTTCAAGGGTATAATT
 GACTACATCTTCTATTCTAAACCTCAGCTGAATACTTTAGCCATCCTGGGACCTCTGGACCACCTTGGC
 TAGTTGAGAATAACATCAGCGGCTGCCACATCCACTTATCCCTCCGACCACTTCTCACTTTTTGCACA
 ATTTGGAGCTCTTACTGCCTTTCTGCCCAAGTAAATGGCATTACCTTCTGCGAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206851 representing NM_001013856
 Red=Cloning site Green=Tags(s)

MPKEKYEPDPRRMYTIMSSEEANGKKSHEWAELEISGKVRSLSSSLWSLTHLTALHLSNLSLSCIPSDI
 AKLHNLVYLDLSHNQIQLPAELGNMVSRELHLNYNQLRVLPFELGKLFQLQTLCLKGNPLTQDILNLC
 LEPDGTRRLNLYLLDNLSGTAKRISTEQPPRSWIMLQEPDRTRPTALFSVMCYNVLCCKYATRQLYGYC
 PSWALNWDYRKKAIIQEILSCNADIIISLQEVETEQYYSFFLVLELKERGYNGFFSPKSRARTMSEQRKHY
 DGCAIFFKTEKFTLVQKHTVEFNQLAMANSEGSEAMLNRVMTKDNIQVAVLLELRKELIEMSSGKPHLGT
 EKQLILVANAHMHWDPYSDVKLVQTMFLSEVKNIIDKASRSLKSSVLGECGTIPLVLCADLNSLPDSG
 VVEYLSGGVETNHKDFKELRYNESLTFSCNGKNGMTNGRITHGFKLKSAYENGLMPYNTYTFDFKGI
 DYIFYSKPLNLAAILGLPLDHHWLVENNISGCPHPLIPSDHFSLFAQLELLLPLPQVNGIHLPGRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001013856
ORF Size:	1671 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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
MW:	63.3 kDa
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]