

## Product datasheet for **MR230505**

### **Cnot6 (NM\_001290741) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cnot6 (NM_001290741) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot6
Synonyms:	CCR4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230505 representing NM\_001290741  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCAAAGAAAAGTACGAGCCCCCTGACCCCTCGGAGGATGTACACAATTATGTCTCTGAGGAAGCAG  
 CAAATGGAAAGAAATCACATTGGGCAGAGCTTGAATAAGTGGAAGTAAGAAGCTTAAGCTCATCTTT  
 GTGGTCACTCACTCACTTGGACAGCTTGCATCTGAGTGACAATCCCTGTCTGTATTCTTCAGACATT  
 GCCAAGCTTCACAATCTGGTATATCTGGACCTGTCCATAATCAAATCCAGAGTTTACCGGCAGAAGCTCG  
 GAAACATGGTATCACTCAGGGAGCTCCATTTAAATTACAACAGTTACGAGTTCTACCTTTGAGCTGGG  
 AAAACTGTTTCAGTTGCAGACTTAAAGCCTGAAAGGAAATCCACTTACCCAGGATATATTGAACCTCTGT  
 CTGGAGCCAGATGGAACAAGAAGGCTACTGAACACTTGTCTCGATAATTTGTCAGGACTGCAAAAAGAA  
 TTTCAACAGAACAACCACCTCAAGATCTGGATCATGTTACAAGAACCAGACAGAACAAGGCCAACAGC  
 CTTGTTTTCTGTCATGTCTATAATGTTCTTTGTGATAAATATGCGACCCGGCAGTTATACGGCTACTGT  
 CCATCATGGGCACCTAATTGGGACTACAGGAAAAGGCCATTATCAAGAAATTTGAGCTGCAATGCTG  
 ATATTATAAGTCTTCAGGAAGTTGAAACAGAGCAGTATTACAGTTTTTTCTGGTAGAAGTAAAAGAACG  
 TGGCTATAATGGATTCTTTAGTCCAAAGTCTCGAGCTCGGACTATGTCTGAACAAGAACGAAAGCATGTT  
 GATGGCTGTGCAATATTCTTCAAGACGGAAAAATTCACCTTTGGTTCAGAAACACACAGTTGAATTTAATC  
 AGTAGCAATGGCGAATTCAGAAGGGTCTGAAGCCATGTTGAACAGAGTCATGACAAAGGATAACATTGG  
 AGTTGCAGTACTGCTAGAACTTCGAAAGGAATTGATTGAAATGTCATCTGGAAAACACACTCTGGGAACA  
 GAAAAACAACCTATTCTCGTGGCTAATGCTCATATGCATTGGGACCCTGAGTACTCAGACGTGAAGTTGG  
 TACAAACTATGATGTTCTCTCAGAAGTGAAGAATATTATTGATAAAGCCTCTCGGAGCCTCAAATCCAG  
 TGTATTGGGAGAATGTGGAATCTCTCTTTGTTTATGTGCAGATCTGAATCTTTGCCAGACTCTGGT  
 GTTGTAGAGTATTTGAGCACTGGTGGGGTGAACAACAATCATAAAGACTTCAAGGAACTGAGGTACAATG  
 AAAGTCTCACAACCTCAGCTGCAATGGGAAGAATGGGATGACCAATGGAAGGATCACTCATGGTTTCAA  
 GTTAAAGAGTGCCTATGAGAATGGCCTGATGCCTTACACCAATTATACATTTGATTTCAAGGGTATAATT  
 GACTACATCTTCTATTCTAAACCTCAGCTGAATACTTTAGCCATCCTGGGACCTCTGGATCACCATTGGC  
 TAGTCGAGAATAACATCAGCGGCTGCCACATCCACTATTCCCTCTGACCCTTCTCACTTTTTGCACA  
 ATTTGGAGCTCTTACTGCCTTTCTGCCCAAGTTAATGGCATTACCTTCTCTGGCAGGAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230505 representing NM\_001290741  
 Red=Cloning site Green=Tags(s)

MPKEKYEPDPRRMYTIMSSEEAAANGKKS HWAELEISGKVRSLS SSSLWSLTHL TALHLS DSNLS SCIPSDI  
 AKLHNLVYLDL SHNQIQLPAELGNMVSLRELHLNYNQLRVLPFELGKLFQLQTL SLKGNPLTQDILNLC  
 LEPDGTRRLNLYLLDNLSGTAKRISTEQPPRSWIMLQEPDRTRPTALFSVMCYNVLC DKYATRQLYGYC  
 PSWALNWDYRKKAIIQEILSCNADII SLQEVETEYYSFFLV LVELKERYNGFFSPKSRARTMSEQRKHV  
 DGCAIFFKTEKFTLVQKHTVEFNQLAMANSEGSEAMLNRVMTKDNI GAVLLELRKELIEMSSGKPHLGT  
 EKQLILVANAHMHWDPEYSDVKLVQTMFLSEVKNIIDKASRSLKSSVLGECGTIPLVLCADLNSLPDSG  
 VVEYLS TGGVETNHKDFKELRYNESL TNFSCNGKNGMTNGRITHGFKLKSAYENGLMPYTNYTFDFKGII  
 DYIFYSKPOLNTLAILGLPLDHHWLVENNISGCPHPLIPSDHFSLFAQLELLL PFLPQVNGIHLPGRR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001290741
<b>ORF Size:</b>	1671 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_001290741.2</a>
<b>RefSeq Size:</b>	5372 bp
<b>RefSeq ORF:</b>	1674 bp
<b>Locus ID:</b>	104625
<b>UniProt ID:</b>	<a href="#">Q8K3P5</a>
<b>Cytogenetics:</b>	11 B1.2
<b>MW:</b>	63.8 kDa
<b>Gene Summary:</b>	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]