

Product datasheet for **MG208760**

Cnot6 (BC062950) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot6 (BC062950) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cnot6
Synonyms:	CCR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208760 representing BC062950
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAAAGAAAAGTACGAGCCCCCTGACCCCTCGGAGGATGTACACAATTATGTCTCTGAGGAAGCAG
 CAAATGGAAGAAAATCACATTGGGCAGAGCTTGAATAAGTGGAAGAAAGTAAAGCTTAAGCTCATCTTT
 GTGGTCACTCACTCACTTGGACAGCTTGCATCTGAGTGACAATCCCTGTCTGTATTCTTCAGACATT
 GCCAAGCTTCACAATCTGGTATATCTGGACCTGTCCATAATCAAATCCAGAGTTTACCGGCAGAACTCG
 GAAACATGGTATCACTCAGGGAGCTCCATTTAAATTACAACAGTTACGAGTTCTACCTTTTGTGCTGGG
 AAAACTGTTTCAGTTGCAGACTTAAAGCCTGAAAGGAAATCCACTTACCCAGGATATATTGAACCTCTGT
 CTGGAGCCAGATGGAACAAGAAGGCTACTGAACTACTTGTCTGATAATTTGTCAGTTTCAACAGAACAAC
 CACCTCCAAGATCTTGGATCATGTTACAAGAACCAGACAGAACAAGGCCAACAGCCTTGTCTTCTGTCAT
 GTGCTATAATGTTCTTTGTGATAAATATGCGACCCGGCAGTTATACGGCTACTGTCCATCATGGGCACTT
 AATTGGGACTACAGGAAAAGGCCATTATTCAAGAAATTTTGTGAGCTGCAATGCTGATATTATAAGTCTTC
 AGGAAGTTGAAACAGAGCAGTATTACAGTTTTTTCTGGTAGAAGTAAAAGAACCTGGCTATAATGGATT
 CTTTAGTCCAAAGTCTCGAGCTCGGACTATGTCTGAACAAGAACGAAAGCATGTTGATGGCTGTGCAATA
 TTCTTCAAGACGGAAAAATTCACCTTTGGTTGAGAAACACACAGTTGAATTTAATCAGCTAGCAATGGCGA
 ATTCAGAAGGGTCTGAAGCCATGTTGAACAGAGTCATGACAAAGGATAACATTGGAGTTGCAGTACTGCT
 AGAACTTCGAAAGGAATTGATTGAAATGTCATCTGGAAAACACATCTGGGAACAGAAAAACAATTATT
 CTCGTGGCTAATGCTCATATGCATTGGGACCCTGAGTACTCAGACGTGAAGTTGGTACAAACTATGATGT
 TCCTCTCAGAAGTGAAGAATATTATTGATAAAGCCTCTCGGAGCCTCAAATCCAGTGTATTGGGAGATG
 TGGAACTATTCTTGTGTTATGTGCAGATCTGAATTCCTTGGCAGACTCTGGTGTAGAGTATTTG
 AGCACTGGTGGGGTAGAAACAAATCATAAAGACTTCAAGGAACTGAGGTACAATGAAAGTCTCACAACT
 TCAGCTGCAATGGGAAGAATGGGATGACCAATGGAAGGATCACTCATGGTTTCAAGTTAAAGAGTGCCTA
 TGAGAATGGCCTGATGCCTTACACCAATTATACATTTGATTTCAAGGGTATAATTGACTACATCTTCTAT
 TCTAAACCTCAGCTGAATACTTTAGCCATCCTGGGACCTCTGGATCACCATTGGCTAGTCGAGAATAACA
 TCAGCGGCTGCCACATCCACTATTCCCTCTGACCCTTCTCACTTTTTGCACAATTGGAGCTCTTACT
 GCCTTCTGCCCAAGTTAATGGCATTACCTTCTGGCAGGAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208760 representing BC062950
 Red=Cloning site Green=Tags(s)

MPKEKYEPPDPRRMYTIMSSEEAANGKSHWAELEISGKVRSLSSSLWSLTHLTALHLSDNSLSCIPSDI
 AKLHNLVYLDLSHNQIQSLPAELGNMVSLRELHLNYNQLRVLPFELGKLFQLQTLCLKGNPLTQDILNLC
 LEPDGTRRLNLYLLDNLVSTEQPPPSWIMLQEPDRTRPTALFSVMCYNVLC DKYATRQLYGYCPSWAL
 NWDYRKKAI IQEILSCNADIISLQEVETEYYSFFLVELKERGYNGFFSPKSRARTMSEQERKHVDGCAI
 FFKTEKFTLVQKHTVEFNQLAMANSEGSEAMLNRVMTKDNIGVAVLLELRKELIEMSSGKPHLGTEKQLI
 LVANAHMHWDP EYSDVKLVQTM MFLSEVKNIIDKASRSLKSSVLGECGTIPLVLCADLNSLPDSGVVEYL
 STGGVETNHKDFKELRYNESL TNFSCNGKNGMTNGRITHGFKLKSAYENGLMPYNTYTFDFKGIIDYIFY
 SKPQLNLTAILGPLDHHWLVENNI SGCPHPLIPSDHFLFAQLLELLLPFLPQVNGIHLPGRR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC062950

ORF Size: 1656 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 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](#)

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:

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: 1658 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]

Product images:



Circular map for MG208760