

Product datasheet for **MG210418**

Cnot10 (NM_153585) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot10 (NM_153585) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cnot10
Synonyms:	2600001P13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210418 representing NM_153585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGCAGACAAGCCTGCAGATCAGGGAGCAGAGAAGCATGAAGGGGCAGGCCAATCATCTGGGGTCA
 CGGACCAGGAGAAGGAGCTGTCCGCCAGTGCCCTCCAGGCCTTACGCTCTGGAAATTATGATGCCTGTCT
 GCAACACCTTGCCTGTCTCCAAGATATAAACAAAGATGATTACAAAATTATTCTGAATACAGCAGTAGCT
 GAATTTTTTAAAAATAATCAAACAACAACAGATAATTTGAGACAAACACTTAACCAGCTGAAGAATCAGG
 TCCACTCGGCTGTTGAAGAGATGGATGGGTTAGACGATGTTGAGAACAGCATGCTGTATTATAACCAGGC
 TGTCAATCTCTATCATCTGCGCCAGTACACGGAGGCCATATCTGTCGGCGAGAAGCTCTATCAGTTCATA
 GAACCTTTGAAAGAAAAATTTGCCAAGCGGTGTGCTTTTTGCTCGTAGACTTGTATATATAACCACC
 AGGCTGAGAAAGCTCTGCATCTTCTTCCGCTCCTAGAAAAATGATTTCCACAGGGTAGCGGTGGCAAAA
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 ATAGAGGCTGCCAAGTCCAAGATACACCAGTACAAAGTCAGAGGGTACATCCAGATGAAGTCCCTGAAGG
 CTTGCAAAAGGGAAATCAAGTCTGTCTATGAACACAGCTGGAAATCTGCACCTTCCCTGTTTCTTAAAG
 CACTTTGAGTACTTAAGGGGCAACTATCGAAAAGCGGTGAAGCTGTTGAATAGTTCAAACATTGCCGAG
 CATCCAGGCTTCAAGACAGGTGAATGCTTGAGATGCATGTTCTGGAATAACCTTGGTGTATCCATT
 TTGCCATGAGCAAGCACAAATTTGGGGATTTTCTACTTCAAGAAGGCTCTGCAGGAAAATGACAACGCTCTG
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 TGCCTTGTGCTGTTACCTGAAGAACAGCAAGATCCCAAGCAGGAAAATGGCTCCAAGAGCAGCAGCCAG
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 TTGCAGTGCTTATGTGGCTCTGGCCTTAGGTGATAACCTCATGGCTTTGAACCATGCAGATCAGCTCCTG
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 TTCAAATGAGCAGGACCAAGGATCAGACAAGGGTGAAGCAATGGAATCCTCTGGCAAGCGCGCC
 CCTCAGTGCTACCCAGTCTGTGAACTCTGCCGGACTGTGATGCTCTTCAACCTGGGCAGTGCCTACT
 GCCTGAGGAGCGAGTACGACAAGGCCGAAAGTGTCTGCATCAGGCGGCATCGATGATCCATCCTAAGGA
 GGTGCCCCCTGAAGCCATCCTGTGGCTGTCTACCTTGAGCTGCAGAATGGTAATACACAGCTGGCCTTG
 CAGATGATCAAGCGGAACAGCTGCTCCCGCAGTAAAGGCGCACTCTGATGTGAGGAAGAAGCAGTGT
 TCCAGCCCGTGCACCCATCCAGCCATCCAAATGCCAGCGTTACCACCGTGCAGAGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210418 representing NM_153585
Red=Cloning site Green=Tags(s)

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MAADKPADQGAEKHEGAGQSSGVTDQEKELASALQAFTSGNYDAQLHLACLQDINKDDYKIILNTAVA
EFFKNNQTTTNDLRLQTLNQLKNQVHSAVEEMDGLDDVENSMLYYNQAVILYHLRQYTEAISVGEKLYQFI
EPFEEKFAQAVCFLLVDLYILTHQAEKALHLLAVLEKMI SQSGGKNGKNETGNSSKDGSNPKAESAL
IEAAKSKIHQYKVRGYIQMKSLKACKREIKSVMTAGNSAPSLFLKSNFEYLRGNYRKAVKLLNSSNIAE
HPGFMTGECLRCMFWNNGLCIHFAMSKHNLGIFYFKKALQENDNVCAQLSAGGTDPGKKFSGRPMCTLL
TNKRYELLYNCGIQLLHVGRPLAAFECLIEAVQVYHANPRLWLRLECCIAANKGTSEQETKGLPTKKGI
VQSI VGGQYHRKIVLASQSIQNTVYNDGQSSAIPVASVEFAAICLRNALLLLPEEQDQPKQENGSKSSSQ
LGGNTESSESSETCSSKSHDGDKFI PAPPSSPLRKQELNLCISLACSAYVALALGDNLMALNHADQLL
QQPKLSGSLKFLGHL YAAEALISLDRISDAITHLNPENVTDVSLGISNEQDQGS DKGENEAMESSGKRA
PQCYPSSVNSARTVMLFNLGSAYCLRSEYDKARKCLHQAASMIHPKEVPPEAILLAVYLELQNGNTQLAL
QMIKRNQLLPAVKAHSDVRKKT VFPVHP IQPIQMPAFTTVQRK
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153585

ORF Size: 2232 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:

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_153585.5](#), [NP_705813.2](#)

RefSeq Size: 2990 bp

RefSeq ORF: 2235 bp

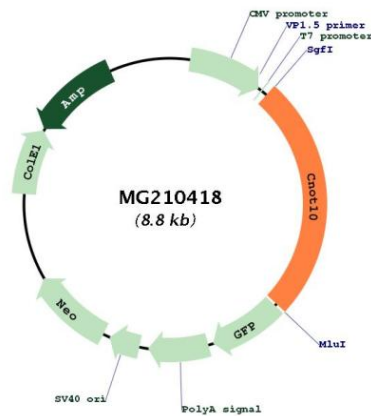
Locus ID: 78893

UniProt ID: [Q8BH15](#)

Cytogenetics: 9 F3

Gene Summary: 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. Is not required for association of CNOT7 to the CCR4-NOT complex (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210418