

Product datasheet for **MR210418**

Cnot10 (NM_153585) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot10 (NM_153585) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot10
Synonyms:	2600001P13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR210418 representing NM_153585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCAGACAAGCCTGCAGATCAGGGAGCAGAGAAGCATGAAGGGGCAGGCCAATCATCTGGGGTCA
 CGGACCAGGAGAAGGAGCTGTCCGCCAGTGCCCTCCAGGCCTTACGCTCTGGAAATTATGATGCCTGTCT
 GCAACACCTTGCCTGTCTCCAAGATATAAACAAAGATGATTACAAAATTATTCTGAATACAGCAGTAGCT
 GAATTTTTTAAAAATAATCAAACAACAACAGATAATTTGAGACAAACACTTAACCAGCTGAAGAATCAGG
 TCCACTCGGCTGTTGAAGAGATGGATGGTTAGACGATGTTGAGAACAGCATGCTGTATTATAACCAGGC
 TGTCAATCTCATCTGCGCCAGTACACGGAGGCCATATCTGTCGGCGAGAAGCTCTATCAGTTCATA
 GAACCTTTGGAAGAAAAATTTGCCAAGCGGTGTGCTTTTGTCTGCTAGACTTGTATATTAACCCACC
 AGGCTGAGAAAGCTCTGCATCTTCTTCCGCTCCTAGAAAAATGATTTCCACAGGGTAGCGGTGGCAAAA
 TGGGAAGAACGAGACTGGCAATAACAGCAGCAAAGATGGATCCAACCCTAAGGCTGAGAGTGCAGCTCTA
 ATAGAGGCTGCCAAGTCCAAGATACACCAAGTACAAAGTACAGAGGTACATCCAGATGAAGTCCCTGAAGG
 CTTGCAAAAGGGAAATCAAGTCTGTCTATGAACACAGCTGGAAATCTGCACCTTCCCTGTTTCTTAAAG
 CACTTTGAGTACTTAAGGGGCAACTATCGAAAAGCGGTGAAGCTGTTGAATAGTTCAAACATTGCCGAG
 CATCCAGGCTTCAAGACAGGTGAATGCTTGAGATGCATGTTCTGGAATAACCTTGGTTGTATCCATT
 TTGCCATGAGCAAGCACAAATTTGGGGATTTTCTACTTCAAGAAGGCTCTGCAGGAAAATGACAACGCTCTG
 CGCCAGCTCAGTGGGGTGGCACTGATCCAGGCAAAAAGTTTCTGGAAGACCCATGTGTACATTGCTG
 ACCAACAAAAGATATGAGCTGCTCTACAAGTGTGGGATCCAGCTGCTGCACGTCGGGAGGCCTCTCGTG
 CCTTCGAGTGTCTGATTGAAGCTGTTCAAGTGTACCACGGAATCCTCGTCTCTGGCTACGGCTGGCTGA
 GTGCTGCATTGCTGCAATAAAGGGACTTCTGAGCAAGAACTAAAGGTCTTCCACCAAAAAAGGCATT
 GTACAGTCTATTGTTGGTCAGGGATATCACCGTAAAATAGTTCTGGCATCACAGTCAATTCAGAACACTG
 TCTACAATGATGGTCAGTCTTACGCCATTCTGTAGCCAGTGTGGAGTTTGCAGCCATCTGTCTCAGAAA
 TGCCTTGTGCTGTTACCTGAAGAACAGCAAGATCCCAAGCAGGAAAATGGCTCCAAGAGCAGCAGCCAG
 CTTGGAGGGAACACGAAAGCAGCGAGAGCAGCGAGACGTGCAGCAGTAAGAGCCATGATGGAGATAAGT
 TCATCCCGCTCCACCGTCTTCTCCGCTGAGGAAACAGGAGTTAGAAAACCTCAAGTGTCCATCCTTGC
 TTGCAGTGCTTATGTGGCTCTGGCCTTAGGTGATAACCTCATGGCTTTGAACCATGCAGATCAGCTCCTG
 CAGCAGCCCAAGCTGTCTGGCTCTTAAATTTTTGGGCCATTTATATGCCGCAGAAGCCCTCATCTCCC
 TCGACAGGATATCTGATGCCATTACACACTTGAACCCAGAGAATGCACTGATGTCTCCTTAGGGATCTC
 TTCAAATGAGCAGGACCAAGGATCAGACAAGGGTGAAGCAATGGAATCCTCTGGCAAGCGCGCC
 CCTCAGTGCTACCCAGTCTGTGAACTCTGCCGGACTGTGATGCTCTTCAACCTGGGCAGTGCCTACT
 GCCTGAGGAGCGAGTACGACAAGGCCGAAAGTGTCTGCATCAGGCGGCATCGATGATCCATCCTAAGGA
 GGTGCCCCCTGAAGCCATCCTGTGGCTGTCTACCTTGAGCTGCAGAATGGTAATACACAGCTGGCCTTG
 CAGATGATCAAGCGGAACAGCTGCTCCCGCAGTAAAGGCGCACTCTGATGTGAGGAAGAAGACAGTGT
 TCCAGCCCGTGCACCCATCCAGCCATCCAAATGCCAGCGTTTACCACCGTGCAGAGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210418 representing NM_153585
Red=Cloning site Green=Tags(s)

```

MAADKPADQGAEKHEGAGQSSGVTDQEKEL SASALQAFTSGNYDACLQHLACLQDINKDDYKIILNTAVA
EFFKNNQTTTNDLRQTLNQLKNQVHSAVEEMDGLDDVENSMLYYNQAVILYHLRQYTEAISVGEKLYQFI
EPFEEKFAQAVCFLLVDLYILTHQAEKALHLLAVLEKMI SQSGGKNGKNETGNNSKDGSNPKAESAAAL
IEAAKSIHQYKVRGYIQMKSLKACKREIKSVMNTAGNSAPSLFLKSNFEYLRGNYRKAVKLLNSSNIAE
HPGFMTGECLRCMFWNNLGCIHFAMSKHNLGIFYFKKALQENDNVCAQLSAGGTDPGKKFSGRPMCTLL
TNKRYELLYNCGIQLLHVGRPLAAFECLIEAVQVYHANPRLWRLAECCIAANKGTSEQETKGLPTKKG I
VQSI VGGYHRKIVLASQSIQNTVYNDGQSSAIPVASVEFAAICLRNALLLLPEEQDQPKQENGSKSSSQ
LGGNTESSSESTCSSKSHDGDKFI PAPPSSPLRKQELNLCISLACSAYVALALGDNLMALNHADQLL
QQPKLSGSLKFLGHL YAAEALISLDRISDAITHLNPENVTDVSLGISNEQDQGS DKGENEAMESSGKRA
PQCY PSSVNSARTVMLFNLGSAYCLRSEYDKARKCLHQAASMIHPKEVPPEAILLAVYLELQNGNTQLAL
QM IKRNQLLPAVKAHSDVRKKT VFPVHP IQPIQMPAFTTVQRK
    
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9048_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_153585

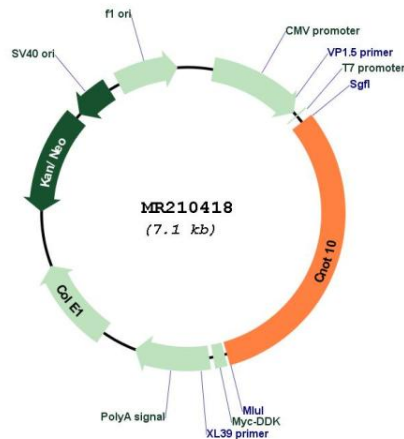
ORF Size: 2232 bp

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:	<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:	<u>NM_153585.5, NP_705813.2</u>
RefSeq Size:	2990 bp
RefSeq ORF:	2235 bp
Locus ID:	78893
UniProt ID:	<u>Q8BH15</u>
Cytogenetics:	9 F3
MW:	82.3 kDa
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 MR210418