

Product datasheet for **RN211276**

Cnot10 (NM_001007003) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot10 (NM_001007003) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnot10
Synonyms:	MGC94752
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211276 representing NM_001007003
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCAGACAAGCCTGCAGATCAGGGAGCAGAGAAACACGAAGGGGCAGGCCAGTCATCTGGGGTCA
 CTGACCAGGAGAAGGAGCTGTCCACCAGTGCTTCCAGGCCTTACATCTGGAAATTATGATGCCTGTCT
 GCAACACCTTGCCTGTCTGCAAGATATAAACAAAGATGATTACAAAATTATTCTGAATACAGCAGTAGCT
 GAATTTTTTAAAAATAATCAAACAACAACAGATAATTTGAGACAAACACTTAACCAGCTGAAGAATCAGG
 TCCACTCAGCTGTGAAGAGATGGATGGTTAGACGACGTTGAGAACAGCATGCTGTATTATAACCAAGC
 AGTCATTCTCATCTGCGGCAGCACACGGAGGCCATAGCTGTTGGTAAAAACTTTATCAGTTCATA
 GAACCTTTGAAAGAAAAATTTGCCAAGCAGTGTCTTCTGCTCGTAGACTTGTATATTAACCCACC
 AAGCTGAGAAAGCGCTGCATCTTCTTCCGCTCCTAGAAAAGATGATTTCCACAGGGTAGCGGGAACAAAA
 CGGGAAGAGCGAGACTGGCAATAACAGCAGCAAAGACGGATCCAATCCTAAGGCTGAGAGTGCAGCGCTG
 ATAGAGGCTGCCAAGTCCAAGATACACCAGTACAAAGTCAGAGGGTACATCCAGATGAAGTCGCTGAAGG
 CATGCAAAAGGGAGATCAAGTCTGTCTGATGAACACAGCTGGAAATTCGGCACCTTCCCTGTTTCTTAAAG
 CACTTTGAGTACTTAAGGGCAATTATCGAAAAGCAGTGAAGCTGTTAAATAGTTCAAACATTGCCGAG
 CATCCAGGCTTCATGAAAACAGGTGAGTGTCTGAGATGCATGTTCTGGAATAATCTTGGTTGTATCCATT
 TTGCCATGAGCAAGCACAATTTGGGGATTTTCTACTTCAAGAAGGCTCTGCAGGAAAATGACAATGTCTG
 CGCCAGCTCAGTGGGGTAACACCGATCCAGGCAAAAGTTTCTGGAAGCCCATGTGTACATTGCTG
 GCCAACAAGGTACGAGCTGCTGTACAACGTGGGATCCAGCTGCTGCACGTCGGGAGGCCTCTTGCTG
 CCTTTGAGTGTCTGGTTGAAGCTGTTCAAGTGTACCACGGAATCCTCGTCTTTGGCTCCGGCTCGTGA
 GTGCTGCATTGCTGCCAATAAAGGGACTTCTGAGCAAGAAACCAAGGTCTTCCACAAAAAAGGGAATT
 GTACAGTCTATTGTTGGTCAAGGTATCACCGTAAAATAGTTCTGGCGTCACAGTCTATTAGAACACTG
 TCTACAACGATGGGCAGTCTTACGCCATTCTGTAGCCAGTGTGGAGTTTGCAGCCATCTGTCTCAGAAA
 TGCCTTGTGCTTTACCTGAAGAGCAGCAAGATCCAAAGCAGGAAAACGGCTCCAAGAGCAGCAGCCAA
 CTTGGAGGAAATGCGGAAAGCAGCGAGAGCAGTGAACGTCAGCAGTAAAAGCCATGATGGAGATAAGC
 TCATTCTGCTCCACCGTCTTCTCCCTGAGGAAACAGGAGTTAGAAAACCTCAAGTGTCCATCCTTGC
 TTGCAGTGCTTATGTGGCCCTGGCCTTAGGTGACAACCTCATGGCGTTGAACCATGCAGATCAGCTCCTG
 CAGCAGCCCAAGCTGTCTGGCTCTTAAAGTTTTTGGGCCATTTATATGCCGAGAACCCCTCATCTCCC
 TCGACAGAAATATCTGATGCCATTACGCACTTGAACCCAGAGAATGCACTGATGTCTTTAGGAATCTC
 TTCAAATGAACAGGACCAAGGATCAGACAAGGGTGAAGCAATGGAATCCTCTGGCAAAACGCGCC
 CCTCAGTGCTACCCAGTCTGTCAACTCTGCCGGACTGTGATGCTCTTCAACCTGGGCAGTGCCTACT
 GCCTGAGGAGCGAGTATGACAAGGCCCGCAAGTGTCTGCATCAGGCGGCATCAATGATCCATCCTAAGA
 GGTGCCCCCTGAGGCCATCCTGTGGCGGTCTACCTTGAGCTGCAGAATGGTAACACGCAGCTGGCCTTG
 CAGATGATCAAACGGAACAGCTGCTCCCTGCAGTAAAGGCGCACTCCGATGTGAGGAAGAAGACAGTAT
 TCCAGCCTGTGCACCCCATCCAGCCATCCAGATGCCGGCATTACCACGGTACAGAGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007003
Insert Size: 2235 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001007003.1</u> , <u>NP_001007004.1</u>
RefSeq Size:	2662 bp
RefSeq ORF:	2235 bp
Locus ID:	316034
UniProt ID:	<u>Q5XIA4</u>
Cytogenetics:	8q32
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]