

Product datasheet for **MC200486**

Cnot7 (NM_011135) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot7 (NM_011135) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnot7
Synonyms:	AU022737; CAF-1; Caf1; Pop2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006021 sequence for NM_011135
 GGCCGAGCGCCGCTCCAGCTCCCCTTTCCCCTTTTCGACGGGCGAGAGCGTCTATGGGCTCCC GCCG
 CGCCGCCGGTACCGCCACCGCCACCGCCGCCGCCGGGTGCTAGCTCTATGGCGAGGAGGAGGAGGAG
 CGCGAGCTCAGAGACCCAAGTGCATAAGTAAAGGGTAAAGTATTTTTATGACACAAATCTCAATCAAGT
 ATAACATTTTGATGCTCCACATCTAGACTCCTTGCTGCTCACTATGCCAGCAGCAACCGTAGATCATAG
 CCAAAGAATTTGTGAAGTTTGGGCTTGTAACTGGATGAAGAGATGAAGAAAATCCGTCAGTTATCCGA
 AAATAAATTATGTTGCTATGGACACCGAGTTTCCAGGCGTTGTTGCAAGACCCATTGGAGAATTCAGAA
 GCAATGCTGACTATCAGTACCAACTGTTGCGGTGTAATGTAGACTTGTAAAGATAATCCAGCTCGGACT
 GACCTTTATGAATGAACAGGGAGAATACCTCCAGGAACGTCAACTTGGCAGTTTAACTTTAAGTTAAT
 TTGACGGAGGACATGTATGCTCAGGACTCTATAGAGCTACTAACAACATCTGGTATCCAGTTAAAAAAC
 ACGAGGAGGAAGGAATTGAGACCAATATTTGCAGAACTTCTTATGACTTCAGGAGTGGTCTTTGTGA
 AGGGGTCAAATGGCTATCATTTACAGTGGTTATGACTTTGGCTATTTAATCAAATTTCTGACCAACTCT
 AACTTGCCTGAGGAAGAACTTGATTTCTTTGAGATCCTTCGGTTATTTTTCTGTCAATTTATGATGTGA
 AGTACCTCATGAAGAGCTGCAAAAATCTCAAAGGTGGATTACAGGAAGTTGCTGAGCAGTTAGAGCTGGA
 GCGCATAGGCCCTCAGCACCAGGAGGATCTGACTCACTGCTTACAGGAATGGCCTTTTTCAAATGAGA
 GAAATGTTCTTTGAAGATCACATTGATGATGCCAAATACTGTGGTCACTTATATGGCCTTGGTTCTGGCT
 CATCCTATGTACAGAACGGCACAGGGAATGCATATGAAGAGGAAGCCAGCAAGCAGTCATGACAGGAAAT
 AGTCTTCTATTTTTATTTTATACGAGTTACACACATGCTTGTATATAGGTTTTATCATCCCTAAATAA
 TAGGCAATACCCCCCTTTTGTAGACCTTCTCTGCTTTCAGTAATAAGTATGGCCTTCTTAGCTATGA
 TCTTAATAAAATTAAGTACATTCAGGTTAAATCTGGCCTTAATTTAATACTTCTTATCAAGCTTGTGT
 GACAAAGCTACATTACTGAATAATTTGATAAATTTGCCTACTTGAGCTTGGTTTTGTTTTCCCTTTTC
 CTAATTAAGTACATTGAGTGAATTTATTTCCCTCTCCATGCCTCTCCTTCTATTCTGCAGTACTTA
 TAGGTATTTAAGATTGTGGACCATCAAGTTTGCCTTTAGAGAGTGATTTCAATCCTCTATTTTATCAGA
 AATTGTGATTTTTCTTGCTCTTAGCTAGAAAAATAACCATCTACCACCTTTTTACAGTATTTGCTTGTTT
 TTGACATTCAGAGTACAGCACGTGCATTGTGCAAAATTGTTCAACAGGAATAACAGAAAAAGACAAGGAAC
 TACTGAAGAGCCTAGTAACTACTGTTTCTGTGTAGTGTAGCCTTCCAAGCACATCTCATGTCTGTT
 GGTCTTCAATTGGCATGCATAGGCTGCTATGTGACTGAAGAAATTCAAACCAGCTTTACACCCTTCAGGA
 AGAAGCCCTGTGATTGGCTATCTCTCTGCCAGAAGGCTGGCCATTAAGATGTTGGAGCTCCAGTTTT
 ATGACAGCACCCTCCCTTGATCGCTTCTTTACTCCATCACTTTTACCCTTACTGTTTTATTTTTAT
 AAACATATTTATGATGTTCTTGATTTGTTAACTACACAAATCAATTTTAAAGTCCAAAGATAACAAG
 TCTTAAGGTACATTTTATCAATAAAAAATACAAAATAAATGTGATTTTCAAAATGCTACAAAAATAAAT
 AATGGAGAGATTTGGTGCAAAACAATAAATGCAAAAAATATATAAAATACACACATATATAGCTAATA
 AAATTACCTGAGGAGTGAATGCTTGTATTTTTTTTGTGATATCTTTGCAATCTATTTTATATATATT
 GACAAGAGACTGTGAAATATTTAGCCATGCAGAATATGTGACCAGACCAGAGCATGTGTTGGAAGATTTT
 GGTGAACATTAACCTTACCCTGAAGTGTGACTACAAGTTGTAATGTGTGTTATCTACACTTCAATCGA
 TATTAGCAAGTCTCCAAGTGTAGCAACATAGTTGTTTCCCTTGATCTGTAAACATGATATGAAA
 ATGCTGTACCTGGGCGGTCCTTTTTAACTAAACATATTTGCAAAACAGAGGATTTATTTGTTTTTAA
 AGCTTTTGTAAATAAAGGCTTCAAAAATGTTTTCTAAAAA
 AA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011135
Insert Size: 858 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>BC006021</u> , <u>AAH06021</u>
RefSeq Size:	2679 bp
RefSeq ORF:	858 bp
Locus ID:	18983
UniProt ID:	<u>Q60809</u>
Cytogenetics:	8 A4
Gene Summary:	<p>Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. Its function seems to be partially redundant with that of CNOT8. 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. During miRNA-mediated repression the complex seems also to act as translational repressor during translational initiation. Additional complex functions may be a consequence of its influence on mRNA expression. Required for miRNA-mediated mRNA deadenylation. Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti-proliferative activity.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes isoform . Variants 1, 2 and 4 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>