

Product datasheet for **MC218778**

Cnot2 (NM_001037847) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot2 (NM_001037847) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnot2
Synonyms:	2600016M12Rik; 2810470K03Rik; AA537049; AA959607; AW557563; C79650
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218778 representing NM_001037847
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTACTGTGAGGAAAGGACACGACTCTATGGTGAGGACTGATGGACATACATTATCTGAGAAAAGAA
 ACTACCAGGTGACAAACAGCATGTTTGGTGCTTCAAGAAAAGAAGTTTGTAGAGGGGTGGACAGCGACTA
 CCATGATGAGAACATGTACTACAGCCAGTCTTCTATGTTCCACATCGGTGAGAGAAAGATGCTGGCA
 TCGCCATCTACGTGAGTCACTCAATTTGGGGCAAGTTTATACGGGCAACAAAGTCACTAGGCC
 TTCCAATGAGGGGATGAGCAACAATACCCCTCAGTTAAATCGCAGCTTATCACAAAGGCACTCAGTTACC
 GAGCCACGTACGCCAACACAGGGGTACCAACAATGTCACCTTACACGCCTCCATCTCCAAGCAGGGGT
 ATTTTGCCTATGAATCCTAGGAATATGATGAACCACTCCAGGTTGGTCAGGGCATTGGAATCCTAGCA
 GGACAAATAGCATGAGCAGTTCAGGGTTAGGTAGCCCCAACAGAAAGCTCGCCAAGCATAATATGTATGCC
 AAAGCAACAGCCTTCTCGACAGCCTTTACTGTGAACAGTATGTCTGGATTTGGAATGAACAGGAATCAG
 GCATTTGGAATGAATAACTCCTTATCAAGTAACATTTTTAATGGAACAGATGGCAGTGAAAATGTGACAG
 GATTGGACCTTTAGATTTCCAGCGTTAGCTGACCGGAATAGAAGGGAAGGGAGCGGCAACCCAACTCC
 ATTAATAAACCCCTTGGCTGGAAGAGCTCCTTACGTTGGAATGGTAACAAAACCTGCAAATGAGCAATCC
 CAAGACTTCTCAATACACAACGAAGATTTCCAGCATTACCTGGTTCCAGCTATAAAGATCCAACGTCAA
 GTAATGACGACAGCAAATCTAATTTGAGTACATCGGGGAAGACGACTTCAAGTACAGATGGACCCAAAT
 CCCTGGAGATAAAAGTTCAACAACACAAAACAATAATCAACAGAAAAAGGGGATCCAGGTGTTACCTGAT
 GGTCGAGTTACTAACATTCCTCAAGGGATGGTGACGGACCAATTTGGAATGATTGGCCTGTTAACATTTA
 TCAGGGCAGCAGAGACAGACCCAGGAATGGTACATCTTGGCTTTAGGAAGTGACTTAAACAACATTAAGCCT
 CAATCTGAACTCACCTGAAAATCTCTATCCCAAATTTGCATCACCTGGGCTTCTTACCTTGTCCGGCCT
 CAAGACATAGACTTCCATGTTCCATCAGAATATTTAACAACATTACATTAGGGATAAGCTGGCTGCAA
 TCAAACCTGGCCGATATGGAGAAGACCTCCTCTTCTATCTGTATTACATGAACGGCGGGGATGATTACA
 ACTCTTAGCTGCGGTAGAACTTTTTAACCGTATTGGAGATACCACAAGGAGGAGCGGGTATGGATTACC
 AGGGCACCAGGCATGGAGCCAACAATGAAAACCAACACGTATGAGCGGGGACCTACTATTTCTTTGACT
 GTCTCAACTGGAGAAAGTAGCTAAGGAGTTCATCTGGAATATGACAAATTAGAAGAGCGGCCTCACCT
 GCCATCCACCTTCAACTACAACCTGCTCAGCAAGCCTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001037847

Insert Size: 1653 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_001037847.2, NP_001032936.2</u>
RefSeq Size:	2746 bp
RefSeq ORF:	1653 bp
Locus ID:	72068
UniProt ID:	<u>Q8C5L3</u>
Cytogenetics:	10 D2
Gene Summary:	<p>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. Required for the CCR4-NOT complex structural integrity. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation; the repressive function may specifically involve the N-Cor repressor complex containing HDAC3, NCOR1 and NCOR2. Involved in the maintenance of embryonic stem (ES) cell identity; prevents their differentiation towards extraembryonic trophectoderm lineages.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in its 5' coding region and uses an upstream translation start codon, compared to variant 1. The resulting isoform (d) is longer at the N-terminus, compared to isoform a.</p>