

Product datasheet for **MC219015**

Cnot6l (NM_178854) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot6l (NM_178854) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnot6l
Synonyms:	4932442K20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219015 representing NM_178854
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACTAATAGGGATGCCAAAGGAAAAATATGATCCTCCAGATCCTCGCAGAATTTACACCATCATGT
 CCGCAGAGGAGGTAGCCAATGGGAAAAATCTCACTGGGCAGAGTTAGAGATCTCGGTAGAGTGC GGAG
 CTTAAGTACATCACTCTGGTCATTAACACACTTGACAGCACTGCACCTAAATGACAATAACCTTGCTCGC
 ATTCCACCTGATATTGCCAAGCTTCATAATCTGGTTTACCTGGATCTGTCACTCAATAAACTCAGAAGTT
 TACCAGCAGAAGTGGAAACATGGTGTCTCTCAGGGAATTGCTTTTAAATGACAATTATTACGGGTGTT
 GCCTTATGAAGTGGCCGGCTCTCCAGCTACAACTCTAGGTTTAAACAGGCAATCCTTTATCACAGGAT
 ATATGAGCTTATACCAGGACCCAGATGGAACCCGAAAGCTACTGAATTCATGCTTGACAATCTTGACG
 TTCATCCAGAGCAGCTTCTCCGAGGCCATGGATTACATTAAGAAGACGAGACCAATTCGCCATCAGC
 ATCATTACGGTTATGTGTTACAATGTGTTATGTGATAAATATGCTACCAGGCAGCTATATGGCTATTGT
 CCGTCCTGGGCATTAAACTGGGAATACAGGAAAAGGGAATTATGGAAGAAATTGTTAACTGGGACGCAG
 ATATCATTAGTCTTCAGGAAGTGGAAACAGAGCAATACTTTACTCTCTTTCTGCCAGCATTGAAGGATCG
 TGGATATGATGGATTTTTTCTCCAAAGTCACGTGCCAAAATCATGTCTGAGCAGGAAAGAAAGCATGTG
 GATGGTTGTGCAATTTCTTCAAACAGAAAAATTTACATTGGTGCAGAAGCATAACAGTGGAAATCAACC
 AGGTAGCAATGGCAAATTCAGATGGATCCGAAGCAATGCTAAACAGAGTAATGACGAAAGATAACATTGG
 CGTTGCTGTGGTGTAGAGGTCCACAAGGAGCTTTTGGAACAGGTATGAAGCCTATTGCTGCTGCAGAC
 AAACAGCTGCTTATAGTGGCAAATGCCACATGCATTGGGACCCAGAGTATTCTGATGTGAACTTATTC
 AGACCATGATGTTTGTCTCAGAGGTTAAAAACATTCTGGAGAAAGCCTCAAGTAGGCCTGGCAGCCCAAC
 TGCAGATCCCAATTCATCCCGCTGGTGCTATGTGCAGATCTTAACTCATTGCCAGATTCAGGTGTTGTG
 GAATATTTAAGCAACGGTGGAGTAGCTGACAACCATAAAGACTTCAAGGAACTAAGGTACAATGAGTGTC
 TTATGAATTCAGCTGTAGTGGAAAGAATGGAAGCTCAGAAGGGAGAATCACACATGGCTTCCAACTTAA
 GAGCGCTATGAAAAAAGTGTGCTTATACCAATTACACCTTTGATTTCAAAGGTGTGATTGACTAC
 ATTTTCTATTCCAAGACTCATATGAACGTGCTTGGTGTCTGGGGCTTTAGATCCTCAATGGCTGGTTG
 AGAACAACATCACTGGGTGTCCACACCCTCACATCCCTCAGACCACTTCTCACTGTTAACACAAGTTGA
 ACTCCACCCTCCACTCTGCCTCTGTCAATGGTGTTCACCTGCCTAATCGGAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_178854

Insert Size: 1668 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:

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_178854.4](#), [NP_849185.2](#)

RefSeq Size: 8574 bp

RefSeq ORF: 1668 bp

Locus ID: 231464

UniProt ID: [Q8VEG6](#)

Cytogenetics: 5 E3

Gene Summary: Poly(A) nuclease with 3'-5' RNase activity. 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. Additional complex functions may be a consequence of its influence on mRNA expression. Involved in mRNA decay mediated by the major-protein-coding determinant of instability (mCRD) of the FOS gene in the cytoplasm. Involved in deadenylation-dependent degradation of CDKN1B mRNA. Its mRNA deadenylase activity can be inhibited by TOB1. Mediates cell proliferation and cell survival and prevents cellular senescence (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) encodes the longest isoform (2). 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.