

Product datasheet for **MC227781**

Cnot6l (NM_001285514) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot6l (NM_001285514) 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: >MC227781 representing NM_001285514
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGTGTCTCTCAGGAATTGCTTTTAAATGACAATTATTTACGGGTGTTGCCTTATGAACTTGGCCGGC
TCTTCCAGCTACAACTCTAGGTTTAAACAGGCAATCCTTTATCACAGGATATTATGAGCTTATACCAGGA
CCCAGATGGAACCCGAAAGCTACTGAACTTCATGCTTGACAATCTTGCACTTCATCCAGAGCAGCTTCT
CCGAGGCCATGGATTACATTAAGAAGCAGACCAAATTCGCCATCAGCATCATTACAGGTTATGTGTT
ACAATGTGTTATGTGATAAATATGCTACCAGGCAGCTATATGGCTATTGTCCTGCTGGCATTAACTG
GGAATACAGGAAAAGGGAATTATGGAAGAAATGTTAACTGGGACGCAGATATCATTAGTCTTCAGGAA
GTGAAAACAGAGCAATACTTTACTCTTTCTGCCAGCATTGAAGGATCGTGGATATGATGGATTTTTTT
CTCCAAAGTCACGTGCCAAAATCATGTCTGAGCAGGAAAAGAAAGCATGTGGATGGTTGTCAATATTCTT
CAAAACAGAAAAATTTACATTGGTGCAGAAGCATACAGTGAATTCACCAGGTAGCAATGGCAAATTC
GATGGATCCGAAGCAATGCTAAACAGAGTAATGACGAAAGATAACATTGGCGTTGCTGTGGTGTAGAGG
TCCACAAGGAGCTTTTTGGAACAGGTATGAAGCCTATTTCATGCTGCAGACAAACAGCTGCTTATAGTGGC
AAATGCCACATGCATTGGGACCCAGAGTATTCTGATGTGAACTTATTCAGACCATGATGTTTGTCTCA
GAGGTTAAAAACATTCTGGAGAAAGCCTCAAGTAGGCCTGGCAGCCCACTGCAGATCCCAATCCATCC
CGCTGGTGCTATGTGCAGATCTTAATCATTGCCAGATTCAGGTGTTGTGGAATATTTAAGCAACGGTGG
AGTAGCTGACAACCATAAAGACTTCAAGGAACTAAGGTACAATGAGTGTCTTATGAACTTCAGCTGTAGT
GGAAGAATGGAAGCTCAGAAGGGAGAATCACACATGGCTTCCAATTAAGAGCGCCTATGAAAAAAT
TGATGCCTTATACCAATTACACCTTTGATTTCAAAGGTGTGATTGACTACATTTTCTATTCCAAGACTCA
TATGAACGTGCTTGGTGTCTGGGCCTTTAGATCCTCAATGGCTGGTTGAGAACAACATCACTGGGTGT
CCACACCTCACATCCCTTCAGACCCTTCTACTGTTAACACAACCTGAACTCCACCCTCACTCCTGC
CTCTTGCAATGGTGTCTCACTTGCCTAATCGGAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001285514

Insert Size: 1368 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001285514.1](#), [NP_001272443.1](#)

RefSeq Size: 8570 bp

RefSeq ORF: 1368 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 (4) uses an alternate splice site in the 5' coding region and initiates translation at a downstream start codon, compared to variant 2. It encodes isoform 3, which is shorter at the N-terminus, compared to 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.