

## Product datasheet for **MG221100**

### **Cnot6l (NM\_178854) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cnot6l (NM_178854) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cnot6l
Synonyms:	4932442K20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG221100 representing NM\_178854  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGACTAATAGGGATGCCAAAGGAAAAATATGATCCTCCAGATCCTCGCAGAATTTACACCATCATGT  
 CCGCAGAGGAGGTAGCCAATGGGAAAAATCTCACTGGGCAGAGTTAGAGATCTCGGGTAGAGTGC GGAG  
 CTTAAGTACATCACTCTGGTCATTAACACACTTGACAGCACTGCACCTAAATGACAATAACCTTGCTCGC  
 ATTCCACCTGATATTGCCAAGCTTCATAATCTGGTTTACCTGGATCTGTCACTCAATAAACTCAGAAGTT  
 TACCAGCAGAAGTAGGAAACATGGTGTCTCTCAGGGAATTGCTTTTAAATGACAATTATTACGGGTGTT  
 GCCTTATGAAGTTGGCCGGCTCTCCAGCTACAACTCTAGGTTTAAACAGGCAATCCTTTATCACAGGAT  
 ATATGAGCTTATACCAGGACCCAGATGGAACCCGAAAGCTACTGAAGTTATGCTTGACAATCTTGACG  
 TTCATCCAGAGCAGCTTCTCCGAGGCCATGGATTACATTAAGAAGACGAGACCAAACTTCTGCCATCAGC  
 ATCATTACGGTTATGTGTTACAATGTGTTATGTGATAAATATGCTACCAGGCAGCTATATGGCTATTGT  
 CCGTCCTGGGCATTAAACTGGGAATACAGGAAAAAGGGAATTATGGAAGAAATTGTTAACTGGGACGCAG  
 ATATCATTAGTCTTCAGGAAGTGAAACAGAGCAATACTTTACTCTCTTTCTGCCAGCATTGAAGGATCG  
 TGGATATGATGGATTTTTTCTCCAAAGTCACGTGCCAAAATCATGTCTGAGCAGGAAAGAAAGCATGTG  
 GATGGTTGTGCAATTTCTTCAAACAGAAAAATTTACATTGGTGCAGAAGCATAACAGTGGAAATCAACC  
 AGGTAGCAATGGCAAATTCAGATGGATCCGAAGCAATGCTAAACAGAGTAATGACGAAAGATAACATTGG  
 CGTTGCTGTGGTGTAGAGGTCCACAAGGAGCTTTTGGAACAGGTATGAAGCCTATTCTGCTGCAGAC  
 AAACAGCTGCTTATAGTGGCAAATGCCACATGCATTGGGACCCAGAGTATTCTGATGTGAACTTATTC  
 AGACCATGATGTTTGTCTCAGAGGTTAAAAACATTCTGGAGAAAGCCTCAAGTAGGCCTGGCAGCCCAAC  
 TGCAGATCCCAATTCCATCCCGCTGGTGTATGTGCAGATCTTAACTCATTGCCAGATTCAGGTGTTGTG  
 GAATATTTAAGCAACGGTGGAGTAGCTGACAACCATAAAGACTTCAAGGAACTAAGGTACAATGAGTGTC  
 TTATGAAGTTCAGCTGTAGTGGAAAGAATGGAAGCTCAGAAGGGAGAATCACACATGGCTTCCAAGTAA  
 GAGCGCTATGAAAAAAGTGTGCTTATACCAATTACACCTTTGATTTCAAAGGTGTGATTGACTAC  
 ATTTTCTATTCCAAGACTCATATGAACGTGCTTGGTGTCTGGGGCTTTAGATCCTCAATGGCTGGTTG  
 AGAACAACATCACTGGGTGTCCACACCCTCACATCCCTTACAGACCACTTCTCACTGTTAACACAAGTGA  
 ACTCCACCCTCCACTCTGCCTTGTCAATGGTGTTCATTGCCTAATCGGAGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG221100 representing NM\_178854  
 Red=Cloning site Green=Tags(s)

MRLIGMPKEKYDPPDRRIYTIMSAEEVANGKSHWAELEISGRVRSLSLWLSLTHLTALHLNDNNLAR  
 IPPDIAKLHNLVYLDLSSNKLRLPAELGNMVSLRELLLNDNYLRVLPYELGRLFQLQLGLTGNPLSQD  
 IMSLYQDPDGRKLLNFMLDNLAVHPEQLPPRWITLKERDQILPSASFTVMCYNVLCDKYATRQLYGYC  
 PSWALNWEYRKKGIMEEIVNWDADIISLQEVETEYFTLFLPALKDRGYDGFSPKSRKIMSEQERKHV  
 DGCAIFFKTEKFTLVQKHTVEFNQVAMANS DGSEAMLNRVMTKDNIGVAVVLEVHKELFGTGMPKHAAD  
 KQLLIVANAHMHWDPEYSDVKLIQTMMFVSEVKNILEKASSRPGSPTADPNISPLVLCADLNSLPDSGVV  
 EYLSNGGVADNHKDFKELRYNECLMNFSCSGKNGSSEGRITHGFQLKSAYENNLMPYTNFTDFKGVIDY  
 IFYSKTHMNVLGVLGPLDPQWLVENITGCPHPHIPSDHF SLLTQLELHPPLPLVNGVHLPNRR

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_178854

**ORF Size:** 1665 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** 3171 bp

**RefSeq ORF:** 1668 bp

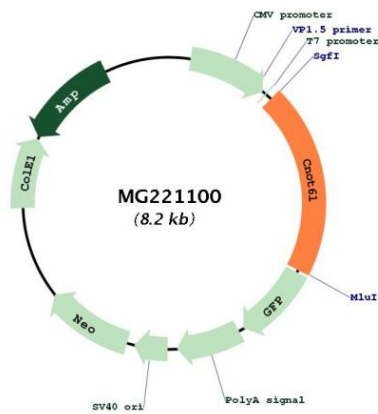
**Locus ID:** 231464

**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]

**Product images:**



Circular map for MG221100