

Product datasheet for **MR229992**

Cnot6l (NM_001285514) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot6l (NM_001285514) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot6l
Synonyms:	4932442K20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR229992 representing NM_001285514
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGTCTCTCAGGAATTGCTTTTAAATGACAATTATTTACGGGTGTTGCCTTATGAACTTGGCCGGC
 TCTTCCAGCTACAACTCTAGGTTTAAACAGGCAATCCTTTATCACAGGATATTATGAGCTTATACCAGGA
 CCCAGATGGAACCCGAAAGCTACTGAACTTCATGCTTGACAATCTTGCACTTCATCCAGAGCAGCTTCT
 CCGAGGCCATGGATTACATTAAGAAGCAGACCAAATCTGCCATCAGCATCATTACAGGTTATGTGTT
 ACAATGTGTTATGTGATAAATATGCTACCAGGCAGCTATATGGCTATTGTCGCTCTGGCATTAACTG
 GGAATACAGGAAAAGGGAATTATGGAAGAAATGTTAACTGGGACGCAGATATCATTAGTCTTCAGGAA
 GTGAAACAGAGCAACTTTACTCTTTCTGCCAGCATTGAAGGATCGTGGATATGATGGATTTTTTT
 CTCAAAGTCACGTGCCAAAATCATGTCTGAGCAGGAAAGAAAGCATGTGGATGGTTGTCAATATCTT
 CAAAACAGAAAAATTTACATTGGTGCAGAAGCATACAGTGAATCAACCAGGTAGCAATGGCAAATTC
 ATGGATCCGAAGCAATGCTAAACAGAGTAATGACGAAAGATAACATTGGCGTTGCTGTGGTGTAGAGG
 TCCACAAGGAGCTTTTTGGAACAGGTATGAAGCCTATTTCATGCTGCAGACAAACAGCTGCTTATAGTGGC
 AAATGCCACATGCATTGGGACCCAGAGTATTCTGATGTGAACTTATTCAGACCATGATGTTTGTCTCA
 GAGGTTAAAAACATTCTGGAGAAAGCCTCAAGTAGGCCTGGCAGCCCACTGCAGATCCCAATCCATCC
 CGCTGGTGCTATGTGCAGATCTTAACTATTGCCAGATTCAGGTGTTGTGGAATATTTAAGCAACGGTGG
 AGTAGCTGACAACCATAAAGACTTCAAGGAACTAAGGTACAATGAGTGTCTTATGAACTTCAGCTGTAGT
 GGAAGAATGGAAGCTCAGAAGGGAGAATCACACATGGCTTCAACTTAAAGAGCGCCTATGAAAAA
 TATGATGCCTTATACCAATTACACCTTTGATTTCAAAGGTGTGACTACATTTTCTCAAGACTCA
 TATGAACGTGCTTGGTGTCTGGGCGCTTAGATCCTCAATGGCTGGTTGAGAACAACATCACTGGGTGT
 CCACACCTCACATCCCTTCAGACCACTTCTCACTGTTAACACAACCTGAACTCCACCCTCACTCCTGC
 CTCTTGTCAATGGTGTCTCACTTGCCTAATCGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229992 representing NM_001285514
 Red=Cloning site Green=Tags(s)

MVSLRELLLNNDNYLRVLPYELGRFLQLQTLGLTGNPLSQDIMSLYQDPDGRKLLNFMLDNLAVHPEQLP
 PRPWITLKERDQILPSASFTVMCYNVLCDKYATRQLYGYCPSWALNWEYRKKGIMEEIVNWDADIISLQE
 VETEYQYFTLFLPALKDRGYDGFSPKSRKIMSEQERKHVDGCAIFFKTEKFTLVQKHTVEFNQVAMANS
 DGSEAMLNRVMTKDNIGVAVVLEVHKELFGTGMKPIHAADKQLLIVANAHHWDPEYSDVKLIQTMFVS
 EVKNILEKASSRPGSPTADPNSIPLVLCADLNSLPDSGVVEYLSNGGVADNHKDFKELRYNECLMNFSCS
 GKNGSSEGRITHGFQLKSAYENNLMPYTNYTFDFKGVIDYIFYSKTHMNVLGVLGPLDPQWLVENNITGC
 PHPHIPSDFHSLLTQLELHPPLLPLVNGVHLPNRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

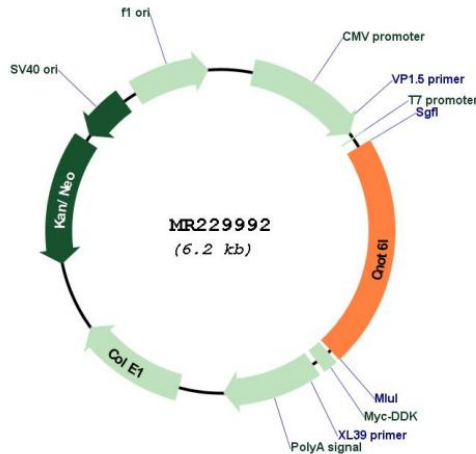
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285514

ORF Size: 1365 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:	<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_001285514.1, NP_001272443.1</u>
RefSeq Size:	8570 bp
RefSeq ORF:	1368 bp
Locus ID:	231464
UniProt ID:	<u>Q8VEG6</u>
Cytogenetics:	5 E3
MW:	52.2 kDa
Gene Summary:	<p>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]</p>