

Product datasheet for **MR207893**

Cnot6l (NM_144910) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot6l (NM_144910) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot6l
Synonyms:	4932442K20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207893 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAAAGGAAAAATATGATCCTCCAGATCCTCGCAGAATTTACACCATCATGTCCGAGAGGAGGTAG
 CCAATGGGAAAAATCTCACTGGCAGAGTTAGAGATCTCGGGTAGAGTGCAGGAGCTTAAGTACATCACT
 CTGGTCATTAACACACTTGACAGCACTGCACCTAAATGACAATAACCTTGCTCGATTCCACCTGATATT
 GCCAAGCTTCATAATCTGGTTTACCTGGATCTGTCATCCAATAAACTCAGAAGTTTACCAGCAGAAGTAG
 GAAACATGGTGTCTCTCAGGGAATTGCTTTTAAATGACAATTTTACGGGTGTTGCCTTATGAACCTGG
 CCGGCTCTCCAGCTACAACTCTAGGTTTAAACAGGCAATCCTTTATCACAGGATATTATGAGCTTATAC
 CAGGACCCAGATGGAACCCGAAAGCTACTGAATTCATGCTTGACAATCTTGAGTTCATCCAGAGCAGC
 TTCTCCGAGGCCATGGATTACATTAAGAAGCAGACCAAATCTGCCATCAGCATCATTACCGGTTAT
 GTGTTACAATGTGTTATGTGATAAATATGCTACCAGGCAGCTATATGGCTATTGTCGGTCTGGGCATTA
 AACTGGGAATACAGGAAAAGGGAATTATGGAAGAAATGTTAACTGGGAGCAGATATCATTAGTCTTC
 AGGAAGTGGAACAGAGCAATACTTTACTCTCTTCTGCCAGCATTGAAGGATCGTGGATATGATGGATT
 TTTTTCTCAAAGTCACGTGCCAAAATCATGTCTGAGCAGGAAAAGAAAGCATGTGGATGGTTGTGCAATA
 TTCTTCAAACAGAAAAATTTACATTGGTGAGAAAGCATAACAGTGGAAATCAACCAGGTAGCAATGGCAA
 ATTCAGATGGATCCGAAGCAATGCTAAACAGAGTAATGACGAAAGATAACATTGGCGTTGCTGTGGTGT
 AGAGGTCCACAAGGAGCTTTTGGAACAGGTATGAAGCCTATTCATGCTGCAGACAAACAGCTGCTTATA
 GTGGCAAATGCCACATGCATTGGGACCCAGAGTATTCTGATGTGAAACTTATTACAGACCATGATGTTT
 TCTCAGAGGTTAAAAACATTCTGGAGAAAGCCTCAAGTAGGCCTGGCAGCCCAACTGCCAATCCCAATTC
 CATCCCGCTGGTCTATGTGCAGATCTTAACTCATTGCCAGATTACAGGTGTTGTGGAATATTTAAGCAAC
 GGTGGAGTAGCTGACAACCATAAAGACTTCAAGGAACTAAGGTACAATGAGTGTCTTATGAACCTCAGCT
 GTAGTGGAAAGAATGGAAGCTCAGAAGGGAGAATCACACATGGCTTCAAACCTAAGAGCGCCTATGAAAA
 TAACCTTGATGCCTTATACCAATTACACCTTTGATTTCAAAGGTGTGATTGACTACATTTTCTATTCCAAG
 ACTCATATGAACGTGCTTGGTGTCTGGGGCTTTAGATCCTCAATGGCTGGTTGAGAACAACATCACTG
 GGTGTCCACACCCTCACATCCCTCAGACCACTTCTCACTGTTAACACAACCTGAACTCCACCCTCCACT
 CCTGCCTTTGTCAATGGTGTCTCACTTGCCTAATCGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207893 protein sequence
 Red=Cloning site Green=Tags(s)

MPKEKYDPPDPRRIYTIMSAEEVANGKSHWAELEISGRVRSLSLWLSLTHLTAHLNDNNLARIPDDI
 AKLHNLVYLDLSSNKLRSPLAELGNMVSRELLLNNDNYLRVLPYELGRLFQLQTLGLTGNPLSQDIMSLY
 QDPDGTRKLLNFMLDNLAVHPEQLPPRPWITLKERDQILPSASFVVMCYNVLCDKYATRQLYGYCPSWAL
 NWEYRKKGIMEEIVNWDADIISLQEVETEYQYFTLFLPALKDRGYDGGFFSPKSRKIMSEQERKHVDGCAI
 FFKTEKFTLVQKHTVEFNQVAMANSDGSEAMLNRVMTKDNIGVAVVLEVHKELFGTGMKPIHAADKQLLI
 VANAHMHWDPYSDVKLIQTMFVSEVKNILEKASSRPGSPTADPNSIPLVLCADLNSLPDSGVVEYLSN
 GGVADNHKDFKELRYNECLMNFSCSGKNGSSEGRITHGFLKSAYENNLMPYTNFTDFKGVIDYIFYSK
 THMNVLVGLGPLDPQWLVENITGCPHPHIPSDFHSLLTQLELHPPLPLVNGVHLPNRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_144910

ORF Size: 1653 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_144910.2](#), [NP_659159.1](#)
RefSeq Size: 8564 bp

RefSeq ORF: 1653 bp

Locus ID: 231464

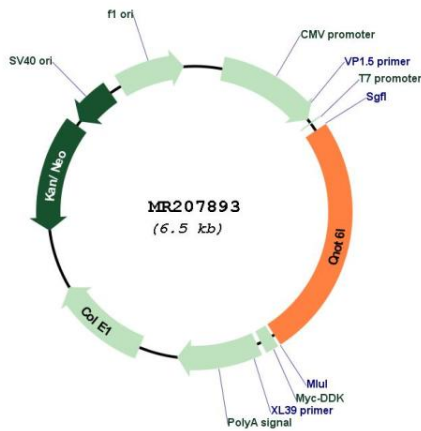
UniProt ID: [Q8VEG6](#)

Cytogenetics: 5 E3

MW: 62.5 kDa

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 MR207893