

Product datasheet for MR204171

Cnot9 (NM_021383) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot9 (NM_021383) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot9
Synonyms:	2610007F23Rik; AI593551; F110; Rqcd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204171 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACAGCCTGGCAACGGCAGCGCCTGTGCCTACTGCACTAGCCCAAGTGGACAGAGAGAAGATCTATC
AGTGGATCAATGAACTGTCCAGTCTGAGACAAGGAAAATGCTTTGTTGGAGCTGAGCAAGAAGAGAGA
GTCTGTCCCTGACCTTGACCCATGCTATGGCATTCAATTTGGTACTATTGCAGCACTGTTACAGGAAATT
GTAATATTTATCCATCTATCAACCCCAACCTTGACAGCACACCAGTCTAACAGAGTTTGCAATGCTT
TAGCATTGCTGCAGTGTGTGGCCTCACACCCGGAGACCAGGTGAGCTTTTCTGGCAGCACATCCCACT
CTTTTTGTACCCCTTTTGCACACAGTCAGCAAACCTCGTCCCTTTGAATATCTTCGGCTCACAGCCTT
GGAGTTATTGGGGCCTTGTTAAAACAGATGAGCAAGAAGTAATCAACTTTTTATTGACCACAGAGATCA
TCCCTCTGTGTCTGCGCATCATGGAGTCTGGAAGTGAAGTCTCTAAAACGGTTGCCACATTCATACTCCA
GAAGATCCTCTTGGATGACACTGGTTTAGCTTATATATGTGAGACATATGAGCGTTTTCCCATGTTGCC
ATGATCTTGGGTAATAATGGTCTGCAGCTATCCAAAGAACCGTCAGCCCGTCTGCTGAAGCACGTAGTAA
GATGTTACCTTCGACTCTCAGATAATCCAGGGCAGTGAAGCACTCAGACAGTGCCTCCCTGACCAGCT
GAAGGACACAACCTTTGCCAGGTGCTAAAAGACGACACCACCAGAAACGCTGGCTTGCAACTGGTG
AAGAACCTGCAAGAGGGCCAGGTACCGATCCCCGGGGATTCCCCTGCCCCCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >MR204171 protein sequence
Red=Cloning site Green=Tags(s)

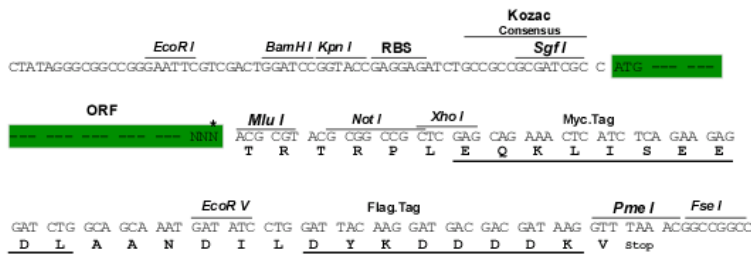
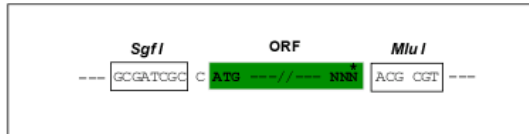
MHSLATAAPVPTALAQVDREKIYQWINESSPETRENALLELSKKRESVPDLAPMLWHSFGTIAALLQEI
 VNIYPSINPPTLTAHQSNRVCNALALLQCVASHPETRSAFLAAHIPLFLYPFLHTVSKTRPFEYLRLTSL
 GVIGALVKTDEQEVINFLTTTEIIPCLLRIMESGSELSKTVATF ILQKILLDDTGLAYICQTYERF SHVA
 MILGKMLVQLSKEPSARLLKHVRCYLRLSDNPRAREALRQCLPDQLKDTTFAQVLKDDTTTKRWLAQLV
 KNLQEGQVTDPRGIPLPPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_021383

ORF Size: 900 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_021383.5](#)

RefSeq Size: 3285 bp

RefSeq ORF: 900 bp

Locus ID: 58184

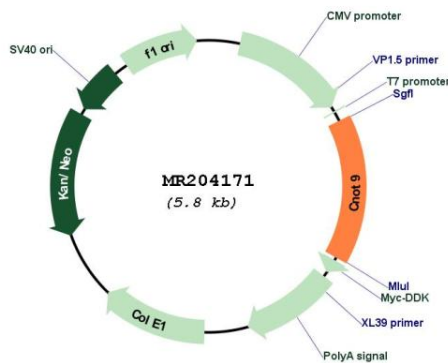
UniProt ID: [Q9JKY0](#)

Cytogenetics: 1 C4

MW: 33.6 kDa

Gene Summary: 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 down-regulation of MYB- and JUN-dependent transcription. May play a role in cell differentiation. Required for retinoic acid-induced differentiation of F9 teratocarcinoma cells. Does not bind DNA by itself. Enhances ligand-dependent transcriptional activity of nuclear hormone receptors. May play a role in cell differentiation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204171