

Product datasheet for **RR208221**

Cnot9 (NM_001009357) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot9 (NM_001009357) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot9
Synonyms:	Rqcd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208221 representing NM_001009357 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACAGCCTGGCAACGGCAGCGCCTGTGCCTACTGCACTGGCCAGGTGGACAGAGAGAAGATCTATC
AGTGGATCAATGAACTGCCAGTCCTGAAACAAGGAAAATGCTTTGCTGGAGCTGAGCAAGAAGCGAGA
GTCTGTCCCTGACCTTGCGCCATGCTGTGGCATTCAATTCGGTACTATTGCAGCACTTTTACAGGAAAT
GTAATATTTATCCATCTATCAACCCTCCAACCTTGACAGCACACCAATCTAACAGGGTTTGAATGCTC
TAGCATTGCTACAGTGTGTGGCCTCACACCCAGAGACCAGGTGAGCCTTTCTTGCAGCACACATCCCACT
CTTTTTGTACCCCTTTTGCACACAGTCAGAAAACCTCGTCCCTTTGAATATCTTCGGCTCACCAGCCTT
GGAGTTATTGGGGCCTTGGTTAAAACAGATGAGCAAGAAGTAATCAACTTTTTATTGACAACAGAAATCA
TCCCTTTGTGTTGCGCATCATGGAATCTGGAAGTGAAGTGTCTAAAACGGTTGCCACATTCATCCTCCA
GAAGATCCTCTTAGATGACACTGGTCTGGCTTATATATGTCAGACATATGAGCGTTTTTCCCATGTTGCC
ATGATCTTGGGTAAAATGGTCTGCAGCTATCCAAGAACCATCTGCCCGTCTGCTGAAGCATGTAGTAA
GATGTTACCTTCGACTCTCAGATAATCCAGGGCACGTGAAGCACTCAGACAGTGCCTCCCTGACCAGCT
GAAGGACACAACCTTTGCCAGGTGCTAAAAGATGACACCACCACAAACGCTGGCTTGCACAACCTGGT
AAGAACCTGCAGGAGGGCCAAGTACCGATCCCCGGGAATTCCTGCCCCCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208221 representing NM_001009357
 Red=Cloning site Green=Tags(s)

MHSLATAAPVPTALAQVDREKIYQWINESSPETRENALLELSKKRESVPDLAPMLWHSFGTIAALLQEI
 VNIYPSINPPTLTAHQSNRVCNALALLQCVASHPETRSAFLAAHIPLFLYPFLHTVSKTRPFEYLRRLTSL
 GVIGALVKTDEQEVINFLTTTEIIPCLLRIMESGSELSKTVATF ILQKILLDDTGLAYICQTYERF SHVA
 MILGKMLVQLSKEPSARLLKHVVRCYLRLSDNPRAREALRQCLPDQLKDTTFAQVLKDDTTTKRWLAQLV
 KNLQEGQVTDPRGIPLPPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

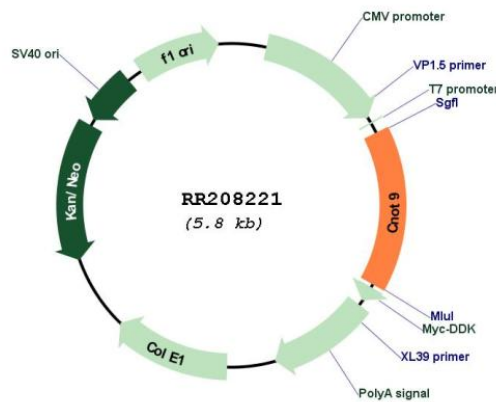
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009357

ORF Size: 897 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:	NM_001009357.1 , NP_001009357.1
RefSeq Size:	3399 bp
RefSeq ORF:	900 bp
Locus ID:	301513
UniProt ID:	Q5PQL2
Cytogenetics:	9q33
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. Enhances ligand-dependent transcriptional activity of nuclear hormone receptors. May play a role in cell differentiation (By similarity).[UniProtKB/Swiss-Prot Function]