

Product datasheet for MR203998

Cnot8 (NM_026949) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot8 (NM_026949) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot8
Synonyms:	1500015I04Rik; 1810022F04Rik; AA536816; AU015770; AU043059
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203998 representing NM_026949 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGCGGCACTTGTAGAAAACAGTCAGGTCATCTGTGAGGTGTGGCCAGCAATCTTGAGGAAGAGA
TGCAGGATCCGTGAGATTGTCCTCAGCTACAGCTATATCGCTATGGACACAGAGTTCCAGGTGTTGT
TGTACGGCCGATCGGTGAATTCGAAGCTCCATAGATTACAGTATCAGCTTCTGCGGTGCAATGTTGAT
CTTCTTAAATCATCCAGCTGGCCTTACGTTACCAATGAGAAGGGGAGTACCCGTCTGGAATCAACA
CATGGCAGTTCAACTTCAAGTTCAACCTGACAGAGGATATGTACTCCAGGATCCATAGATCTGCTTGC
AAACTCAGGGCTGCAGTTCCAGAAACACGAGGAGGAAGGATCGATACACTGCACTTTGCAGAGCTGCTT
ATGACATCGGGAGTGTTCTCTGTGACAACGTCAGTGGCTTTCATTTACAGTGTTATGATTTTGGCT
ACATGGTAAAGCTGCTAACAGACTCTCGCTGCCGGAAGAAGAACACGAGTTCTTTCATATCCTGAATCT
TTTCTTCCCGTCCATTTACGATGTGAAATACCTGATGAAGAGCTGCAAAAACCTGAAGGGAGGCCTTCA
GAGGTGGCTGATCAGTTGGATCTGCAGAGGATCGGAAGGCAGCATCAAGCAGGCTCAGACTCTCTGCTGA
CGGGATGGCTTCTTCCAGGATGAAAGAGCTATTCTTTGAGGACAGTATTGACGATGCCAAGTATTGTGG
GCGCCTCTATGGCCTGGGCACAGGGTGGCCAGAAGCAGAATGAGGATGTGGACTGTGCCAGGAGAAG
ATGAGCATCTTGGCCATGATCAACAACATGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203998 representing NM_026949
Red=Cloning site Green=Tags(s)

MPAALVENSQVICEVWASNLEEMRKIREIVLSYSYIAMDTEFPGVVVRPIGEFRSSIDYQYQLLRNVN
 LLKIIQLGLTFTNEKGEYPSGINTWQFNFKFNLTEDMYSQDSIDLLANSGLQFQKHEEEGIDTLHFAELL
 MTSGVVLCDNVKWL SFHSGYDFGYMVKLLTDSRLPEEEHEFFHILNLFPPSIYDVKYLMKSKNLKGLQ
 EVADQLDLQRIGRQHQAGSDSLLTGMAFFRMKELFFEDSIDDAKYCGRLYGLGTGVAQKQNEVDCAQEK
 MSILAMINNMQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9060_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026949

ORF Size: 876 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_026949.5](#)

RefSeq Size: 2035 bp

RefSeq ORF: 879 bp

Locus ID: 69125

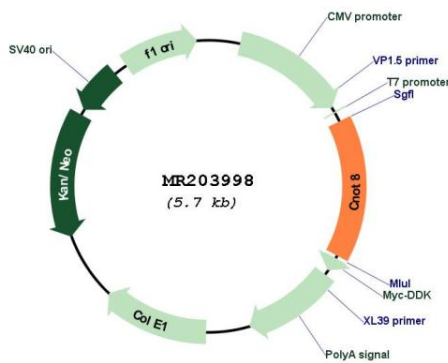
UniProt ID: [Q9D8X5](#)

Cytogenetics: 11 B1.3

MW: 33.6 kDa

Gene Summary: Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. Its function seems to be partially redundant with that of CNOT7. Catalytic component of the CCR4-NOT complex which is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. During miRNA-mediated repression the complex seems also to act as translational repressor during translational initiation. Additional complex functions may be a consequence of its influence on mRNA expression. Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti-proliferative activity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203998