

## Product datasheet for **MR209679**

### **Cnot4 (NM\_001164412) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001164412) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot4
Synonyms:	Not4; Not4h; Not4hp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>MR209679 representing NM\_001164412  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG  
ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC  
TGATGAGAATGGCTTTGTCTGCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACCACT  
TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT  
CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC  
ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA  
GTTGTCATCAATAATAGCACATCCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA  
TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA  
GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC  
ATGTATCTTCATGAATTTGGGAGATGAGGACGCCAGCTTACAAAAGAGGAAATGCAGGCGGTAAGCACC  
AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAAATTAATCCCAATTTTCTTCAGCTATCTACGGG  
TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCCATTGACAAACCTTCAGATTCTCTC  
AGTATAGGGAATGGTGATAATCCCAACAGATATCTAACAGTGATACGCCCTTCACCACCCTGGTTTAT  
CAAAATCCAACCTGTATCCCCATCAGTTCATCCAATCACAGTGCAGGCTCCTTTTGAAGGGGAGT  
AACAGAGTCACAGTCATTATTCTCAGACATTTTCGCCACCCCAACCCTATACCAAGTGGGCTTCTCCTCT  
TTTCCCAGCTCTCCACAGACACCCAGTGATTGGCCTACAGCTCCAGAACCACAGAGCCTCTCACATCAG  
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CAGGCAGCCCGCTATCCTTGGATGGCCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC  
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CCCCCTTCAGCACACAGATCCCTCTGCACAGAGCCAGTTGGAACCCCTACCCACCTCCTTCAAAATCCCTC  
CAGCTTCCACTCTCCACCCCAAGGCTTCCAGACAGCCTTCCAGACCCCAAGCAAAACCCCAACAGATCTG  
CTACAGAGTTCCACACTGGACCGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209679 representing NM\_001164412  
 Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECPLCMEPLEIDDINFFPCTCGYQICRFCWHIRTDENGLCPACRKPYPEDPAVYKPL  
 SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVQKNL VFVVLGSQLADPEVLKRPEYFGKFGKIHK  
 VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPD  
 MYLHELGDAAAFTEEMQAGKHQEQKLLQELYKLNPNFLQLSTGSDKNKNKVTPLQSPIDKPSDSL  
 SIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSNHSARSPFEGAVTESQSLFSDNFRHPNPIPGLPP  
 FPSSPQTPSDWPTAPEPQSLFTSETIPVSSSTDWQAAFQFGSSKQPEDDLGDFDPDVTRKALADLIEKEL  
 SVQDQPSLSPTSLQNASHTTTAKGPGSGFLHSAAPTANSLNSTF SVLPQRFPPQFQQHRAVYNSFGFPG  
 QAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPIAGIPASSGNTLDSIQDDNPPHW  
 LKSLQALTEMDGSAASSQPHTSAPFSTQIPLHRASWNPYPPSPSSSFHSPPPGFQTAFRPPSKTPTDL  
 LQSSTLDRH

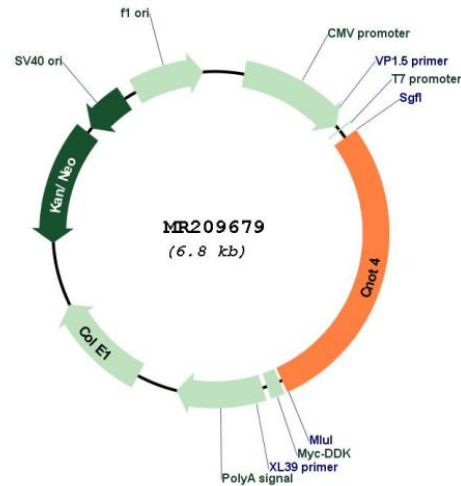
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001164412

**ORF Size:** 1917 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\\_001164412.1](#), [NP\\_001157884.1](#)

RefSeq Size:	3335 bp
RefSeq ORF:	1920 bp
Locus ID:	53621
Cytogenetics:	6 B1
MW:	70.8 kDa
Gene Summary:	Has E3 ubiquitin ligase activity, promoting ubiquitination and degradation of target proteins. Involved in activation of the JAK/STAT pathway. Catalyzes ubiquitination of methylated RBM15.[UniProtKB/Swiss-Prot Function]