

Product datasheet for **MR219368**

Cnot4 (NM_001164414) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001164414) 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:

>MR219368 representing NM_001164414
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
TGATGAGAATGGCTTTGTCTGTCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACCACT
TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
GTTGTCATCAATAATAGCACATCCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA
TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA
GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
ATGTATCTTCATGAATTTGGGAGATGAGGACGCCAGCTTACAAAAGAGGAAATGCAGGCGGGTAAGCACC
AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGGTATGATACCCCCATTGACAAAACCTTCA
GATTCTCTCAGTATAGGGAAATGGTGATAATCCCAACAGATATCTAACAGTGTACGCCTTACCACCAC
CTGGTTTATCAAATCCAACCTGTCTATCCCATCAGTTCATCCAATCACAGTGCAGGTTCTCTTTTGA
AGGGGCAGTAACAGAGTCACAGTCATTATTTCTCAGACAATTTTCGCCACCCCAACCCTATACCAAGTGGG
CTTCTCTCTTTCCAGCTCTCCACAGACACCCAGTATTGGCCTACAGTCCAGAACCACAGAGCCTCT
TCACATCAGAAACAATCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTTCTAA
ACAACCAGAGGATGACTTGGGGTTTGACCCCTTTGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAG
AAGGAATATCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTTTCAGAACGCCTCCTCACACTA
CGACCGCCAAAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAG
TACCTTTTCAGTCTTGCCACAGAGGTTCCCTCAATTTCCAGCAGCACCGAGCAGTTTATAATTCGTTCCGGT
TTTCCAGGCCAGGACCCGCTATCCTTGGATGGCCTTTCCACGCAATAGCATCATGCATTGAACCACA
CAGCAAACCCACCTCAAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAAACACAGGTCTGGG
AGGGATCCCATAGCAGGTATTCAGCATCTTCAGGAAACACTTTAGACTCTATTCAAGACGACAATCCT
CCACACTGGCTAAAATCCCTACAGGCCCTCACAGAGATGGACGGCCCCAGCGCTGCCTCGTCACAACCCC
ATCACAGCGCCCCCTTACGACACAGATCCCTCTGCACAGAGCCAGTTGGAACCCCTACCCACCTCCTTC
AAATCCCTCCAGTTCCTACTCTCCACCCCAAGGCTTCCAGACAGCCTTCCAGACCCCAAGCAAAACCCC
ACAGATCTGCTACAGAGTTCACACTGGACCGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219368 representing NM_001164414
 Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECPLCMEPLEIDDINFFPCTCGYQICRFCWHRI RTDENGLCPACRKPYPEDPAVYKPL
 SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVQKNLVFVVLGSQLADPEVLKRPEYFGKFGKIHK
 VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPCD
 MYLHELGDAAAFKEEMQAGKHQEYEQKLLQELYKLNPNFLQLSTGSDKNKNKVTPLQRYDTPIDKPS
 DSLSIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSSNHSARSPFEGAVTESQSLFSDNFRHPNPIP
 LPPFPSSPQTPSDWPTAPEPQSLFTSETIPVSSSTDWQAAFQFGSSKQPEDDLGFPDVTTRKALADLIE
 KELSVQDQPSLSPTSLQNASHTTTAKGPGSGFLHSAAPTANSLNSTFSVLPQRFPQFQQHRAVYNSFG
 FPGQAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPIAGIPASSGNTLDSIQDDNP
 PHWLKSLQALTEMDGPSAASSQPHHSAPFSTQIPLHRASWNPYPPPSNPSSFHSPPPGFQTAFRPPSKTP
 TDLLQSSTLDRH

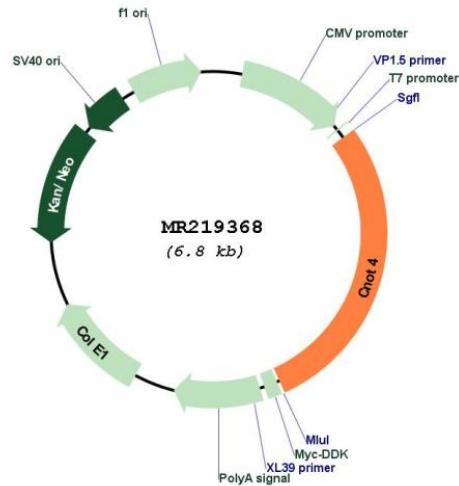
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001164414

ORF Size: 1926 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_001164414.1](#), [NP_001157886.1](#)

RefSeq Size:	3344 bp
RefSeq ORF:	1929 bp
Locus ID:	53621
Cytogenetics:	6 B1
MW:	71.2 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]