

Product datasheet for **MR210197**

Cnot4 (NM_001164413) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001164413) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot4
Synonyms:	Not4; Not4h; Not4hp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210197 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGTCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
TGATGAGAATGGCTTTGTCTGATGTAGAAAGCCATATCCAGAAGATCCAGCAGTTTACAAACCACTT
TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTTGGGAAGTTTGGTAAAAACATAAA
GTTGTCATCAATAATAGCACATCCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA
TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGTGGTAGTAGATGGCAGGACACTAAA
GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
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TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCCATTGACAAACCTTCAGATTCTCTC
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TTTCCCAGCTCTCCACAGACACCCAGTATTGGCTACAGCTCCAGAACCACAGAGCCTTTCACATCAG
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CCACCTCAATAGTAATTTCTTGGACTTGAATCTCCCGCCACAGCACAACACAGGTCTGGGAGGGATCCC
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CTACCCAACATTAACATCACTTTGGTGGACTGCCCAATCTTCTTCCCCTCCAAGGCCAACACAGTG
CACCAACGTCCAACACTGCCACCACGGACAGCGTGAGTTGGGACAGCCCTGGCAGCTGGACAGACCAGC
CATCATCACAGGTATTCCAGCATCTTCAGAAAACACTTTAGACTCTATTCAAGACGACAATCCTCCACAC
TGGCTAAAATCCCTACAGGCCCTCACAGAGATGGACGGCCCGCAGCGCTGCCTCGTACAACCCCATCACA
GCGCCCCCTTCAGCACACAGATCCCTCTGCACAGAGCCAGTTGGAACCCCTACCCACCTCCTTAAATCC
CTCCAGCTTCCACTCTCCACCCCGAGCTTCCAGACAGCCTTCAGACCCCCAGCAAAACCCCCACAGAT
CTGCTACAGAGTCCACACTGGACCGCCACACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210197 protein sequence
 Red=Cloning site Green=Tags(s)

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MSRSPDAKEDPVECPLCMEPLEIDDINFFPCTCGYQICRFCWHIRTDENGLCPACRKPYPEDPAVYKPL
SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVQKNLVFVVLGSQRLADPEVLKRPEYFGKFGKIHK
VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPCD
MYLHELGDAAASFKEEMQAGKHQEYEQKLLQELYKLNPNFLQLSTGSDKNKKNVTPLQSPIDKPSDSL
SIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSNHSARSPFEGAVTESQSLFSDNFRHPNPIPGLPP
FPSSPQTPSDWPTAPEPQSLFTSETIPVSSSTDWQAAFGFGSSKQPEDDLGDFPDVTRKALADLIEKEL
SVQDQPSLSPTSLQNASHTTTAKGPGSGFLHSAAPTANSLNSTFSVLPQRFPPQFQHRAYNSFGFPG
QAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPIADNNSVSESLNMKEWQDGLRAL
LPNININFGGLPNSSSPSNANHSAPTSNTATTDSVSWDSPGSWTDPAAITGIPASSGNTLDISIQQDNP
WLKSLQALTEMDGSAASSQPHHSAPFSTQIPLHRASWNPYPPSPNSSFHSPPPGFQTAFRPPSKTPTD
LLQSSTLDRH
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001164413

ORF Size: 2133 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_001164413.1](#), [NP_001157885.1](#)

RefSeq Size: 3548 bp

RefSeq ORF: 2133 bp

Locus ID: 53621

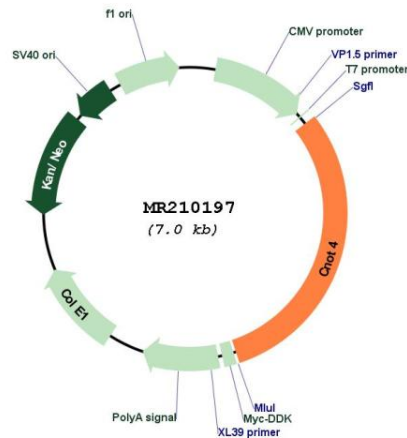
UniProt ID: [Q8BT14](#)

Cytogenetics: 6 B1

MW: 77.8 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]

Product images:



Circular map for MR210197