

Product datasheet for **MG209679**

Cnot4 (BC048243) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (BC048243) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cnot4
Synonyms:	Not4h, Not4hp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209679 representing BC048243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
 ATGATATTAACTTTTCCCTTGCACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAGAATGGCTTTGTCTGCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACCACTT
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAAACAAAATGAAAGAAAACAGAAAATCT
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
 GTTGTCAATAATAGCACATCCTATGCAGGCTCACAGGTCGAGTCCGAGTCCAGTGCCTTATGTAACGTATA
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
 ATGTATCTTCATGAATGGGAGATGAGGACGCCAGCTTCAAAAAGAGGAAATGCAGGCGGGTAAGCACC
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCCATTGACAAAACCTTCAGATTCTCTC
 AGTATAGGGAATGGTGATAATCCCAACAGATATCTAACAGTGATACGCCCTTACCACCACCTGGTTTAT
 CAAAATCCAACCTGTATCCCCATCAGTTCATCCAATCACAGTGCAGGCTCCTTTTGAAGGGGCAGT
 AACAGAGTCACAGTCATTATTCTCAGACAATTTCCGCCACCCAAACCCTATACCAAGTGGGCTTCTCTCT
 TTTCCAGCTCTCCACAGACACCCAGTATTGGCTACAGCTCCAGAACCACAGAGCCTTTCACATCAG
 AAACAATCCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTCCGCTTTGGTTCTTAAACAACCAGA
 GGATGACTTGGGTTTGACCCCTTTGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAACTA
 TCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTCTCAGAACGCCTCCTCACACACTACGACCGCCA
 AAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAGTACCTTTTC
 AGTCTTGCACAGAGTTCCCTCAATTTAGCAGCACCAGCAGTTTATAAATTCGTTTCGTTTTCAGGC
 CAGGCAGCCCGCTATCCTTGGATGGCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC
 CCACCTCAATAGTAATTTCTGGACTTGAATCTCCGCCACAGCACAACACAGGCTGGGAGGGATCCC
 CATAGCAGGTATCCAGCATCTCAGGAAACATTTAGACTCTATTCAAGACGACAATCCTCCACACTGG
 CTAATAATCCCTACAGGCCCTCACAGAGATGGACGGCCCCAGCGTGCCTCGTCAACCCCATCACAGCG
 CCCCTTTCAGCACACAGATCCCTCTGCACAGAGCCAGTTGGAACCCCTACCCACCTCCTTCAAATCCCTC
 CAGCTTCACTCTCCACCCCGAGCTTCCAGACAGCCTTCCAGACCCCCAGCAAAAACCCCCACAGATCTG
 CTACAGAGTTCCACACTGGACCGCCAC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209679 representing BC048243
 Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECLCMEPLEIDDIINFPPCTCGYQICRFCWHIRIRTDENGLCPACRKPYPEDPAVYKPL
 SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVQKNL VVVGLSQRLADPEVLKRPEYFGKFGKIHK
 VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPCD
 MYLHELGDAAASFKEEMQAGKHQEQKLLQELYKLNPNFLQLSTGSVDKNKNVTPLQSPIDKPSDSL
 SIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSNHSARSPEFEGAVTESQSLFSDNFRHPNPIPSGLPP
 FPSSPQTPSDWPTAPEPQSLFTSETIPVSSSTDWQAAFQFGSSKQPEDDLGDFDPFVTRKALADLIEKEL
 SVQDQPSLSPTSLQNASHTTTAKGPGSGFLHSAAPTANSLNSTF SVLPQRFPPQFQHRAYVNSFGFPG
 QAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPIAGIPASSGNTLDSIQDDNPPHW
 LKSLQALTEMGPSAASSQPHHSAPFSTQIPLHRASWNPYPSPNSPSSFHSPPPGFQAFRPPSKTPTDL
 LQSSTLDRH

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: BC048243

ORF Size: 1919 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: [BC048243](#), [AAH48243](#)

RefSeq Size: 3259 bp

RefSeq ORF: 1919 bp

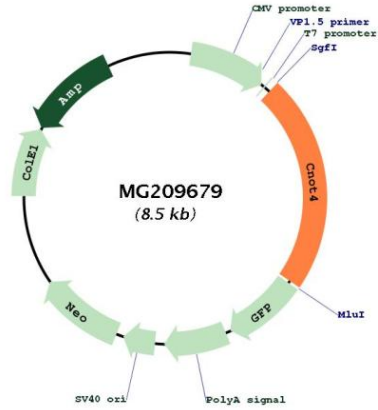
Locus ID: 53621

Cytogenetics: 6 B1

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 MG209679