

## Product datasheet for **MG219277**

### **Cnot4 (NM\_001164411) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001164411) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cnot4
Synonyms:	Not4; 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:**

>MG219277 representing NM\_001164411  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG  
 ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC  
 TGATGAGAATGGCTTTGTCTGATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACCACTT  
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAAACAAAATGAAAGAAAACAGAAAATCT  
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC  
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA  
 GTTGTCAATAATAGCACATCCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA  
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA  
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC  
 ATGTATCTTCATGAATGGGAGATGAGGACGCCAGCTTCAAAAAGAGGAAATGCAGGCGGGTAAGCACC  
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAAATTAATCCCAATTTTCTTCAGCTATCTACGGG  
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCCATTGACAAAACCTTCAGATTCTCTC  
 AGTATAGGGAATGGTGATAATCCCAACAGATATCTAACAGTGATACGCCCTTCACCACCCTGGTTTAT  
 CAAAATCCAACCTGTATCCCCATCAGTTCATCCAATCACAGTGCAGGCTCCTTTTGAAGGGGAGT  
 AACAGAGTCACAGTCATTATTCTCAGACAATTTGCCACCCCAACCCTATACCAAGTGGGCTTCTCTCT  
 TTTCCAGCTCTCCACAGACACCCAGTATTGGCTACAGCTCCAGAACCACAGAGCCTCTTCACATCAG  
 AAACAATCCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTTAAACAACCAGA  
 GGATGACTTGGGGTTTGACCCCTTTGATGTCACCTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAATA  
 TCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTCTTCAAGACGCTCCTCACACACTACGACCGCCA  
 AAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAGTACCTTTTC  
 AGTCTTGCACAGAGTTCCCTCAATTTACAGCAGCACCAGCAGTTTATAATTGTTTCGGTTTTCCAGGC  
 CAGGCAGCCCGCTATCCTTGGATGGCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC  
 CCACCTCAATAGTAATTTCTTGGACTGAATCTCCCGCCACAGCACAACACAGGTCTGGGAGGGATCCC  
 CATAGCAGGGGAAGAAGAGGTGAAGTTTCGACCATGCCACTGTCCGCCTCTCCCATTCATTACAACAA  
 GGACAGCAGCCTACAAGTCTCCACACTACTGTGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG219277 representing NM\_001164411  
 Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECPLCMEPLEIDDINFFPCTCGYQICRFCWHIRTDENGLCPACRKPYPEDPAVYKPL  
 SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVKNLVVFVGLSQRLADPEVLKRPEYFGKFGKIHK  
 VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPD  
 MYLHELGDAAASFKEEMQAGKHQEQKLLQELYKLNPNFLQLSTGSDKNKNKVTPLQSPIDKPSDSL  
 SIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSNHSARSPFEGAVTESQSLFSDNFRHPNIPISGLPP  
 FPSSPQTPSDWPTAPEPQSLFTSETIPVSSSTDWQAAFQGFSSKQPEDDLGDFDPDVTRKALADLIEKEL  
 SVQDQPSLSPTSLQNASSHTTTAKGPGSGFLHSAAPTANSLNSTFVLPQRFQFQHRVYNSFGFPG  
 QAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPIAGEEEVKVSTMPLSASSHSLQQ  
 GQPTSLHTTVA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001164411

**ORF Size:** 1716 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\\_001164411.1](#), [NP\\_001157883.1](#)

**RefSeq Size:** 5613 bp

**RefSeq ORF:** 1719 bp

**Locus ID:** 53621

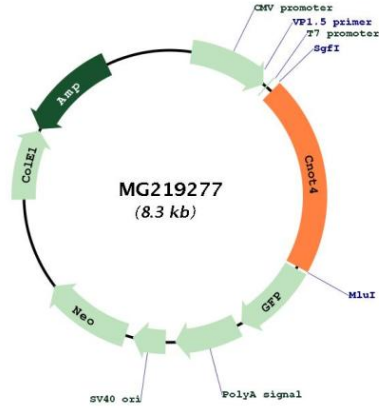
**UniProt ID:** [Q8BT14](#)

**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 MG219277