

Product datasheet for **MG219276**

Cnot4 (NM_016877) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_016877) 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:

>MG219276 representing NM_016877
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
 ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAGAATGGCTTTGTCTGCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACCACT
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
 GTTGTCAATAATAGCACATCCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
 ATGTATCTTCATGAATTTGGGAGATGAGGACGCCAGCTTCAAAAAGAGGAAATGCAGGCGGGTAAGCACC
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGGTATGATACCCCCATTGACAAAACCTTCA
 GATTCTCTCAGTATAGGGAAATGGTGATAATCCCAACAGATATCTAACAGTGTACGCCTTACCACCAC
 CTGTTTATCAAAATCCAACCTGTATCCCCATCAGTTCATCCAATCACAGTGCAGGTCTCCTTTTGA
 AGGGGCAGTAACAGAGTCACAGTCATTATCTCAGACAATTTTCGCCACCCCAACCCTATACCAAGTGGG
 CTTCTCTCTTTCCAGCTCTCCACAGACCCAGTATTGGCCTACAGTCCAGAACCACAGAGCCTCT
 TCACATCAGAAACAATCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTTAA
 ACAACCAGAGGATGACTTGGGGTTTGACCCTTTGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAG
 AAGGAATATCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTCTTCAAGACGCTCCTCACACACTA
 CGACCGCAAAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAG
 TACCTTTTCAGTCTTGCCACAGAGGTTCCCTCAATTTCCAGCAGCACCGAGCAGTTTATAATTCGTTCCGGT
 TTTCCAGGCCAGGACCCGCTATCCTTGGATGGCCTTTCCACGCAATAGCATCATGCATTGAACCACA
 CAGCAAACCCACCTCAAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAAACACAGGTCTGGG
 AGGGATCCCATAGCAGGGGAAGAAGAGGTGAAGGTTTCGACCATGCCACTGTCCGCCTCTCCCATTC
 TTACAACAAGGACAGCAGCCTACAAGTCTCCACACTACTGTGGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219276 representing NM_016877
 Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECPLCMEPLEIDDINFFPCTCGYQICRFCWHIRTDENGLCPACRKPYPEDPAVYKPL
 SQEELQRIKNEKQKQNERKQKISENRKHLASVRVVKNLVVFVGLSQRLADPEVLKRPEYFGKFGKIHK
 VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPCD
 MYLHELGDAAASFKEEMQAGKHQEQKLLQELYKLNPNFLQLSTGSVDKNKNKVTPLQRYDTPIDKPS
 DSLSIGNDNSQIQISNSDTPSPPPGLSKSNPVIPISSSNHSARSPFEGAVTESQSLFSDNFRHPNPIPSPG
 LPPFPSSPQTPSDWPTAPEPQSLFTSETIPVSSSTDWQAAFQFGSSKQPEDDLGDFDPFVTRKALADLIE
 KELSVQDQPSLSPTSLQNASHTTTAKGPGSGFLHSAAPTANANSLNSTFVLPQRFPPQFQHRVYNSFG
 FPGQAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHTGLGGIPIAGEEEVKVSTMPLSASSHS
 LQQGQQPTSLHTTVA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016877

ORF Size: 1725 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_016877.4](#), [NP_058573.3](#)

RefSeq Size: 5622 bp

RefSeq ORF: 1728 bp

Locus ID: 53621

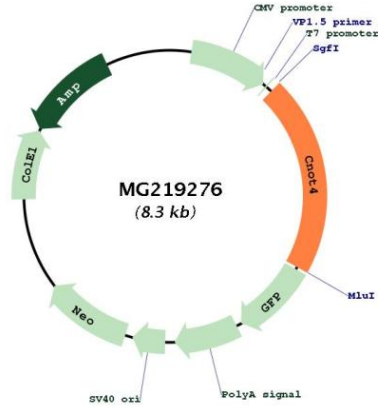
UniProt ID: [Q8BT14](#)

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 MG219276