

Product datasheet for **MR219277**

Cnot4 (NM_001164411) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001164411) 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



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ORF Nucleotide Sequence:

>MR219277 representing NM_001164411
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
 ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAGAATGGCTTTGTCTGATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACCACTT
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
 GTTGTCAATAATAGCACATCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
 ATGTATCTTCATGAATGGGAGATGAGGACGCCAGCTTCAAAAAGAGGAAATGCAGGCGGGTAAGCACC
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCCATTGACAAACCTTCAGATTCTCTC
 AGTATAGGGAATGGTGATAATCCCAACAGATATCTAACAGTGATACGCCCTTCACCACCCTGGTTTAT
 CAAAATCCAACCTGTATCCCCATCAGTTCATCCAATCACAGTGCAGGCTCCTTTTGAAGGGGAGT
 AACAGAGTCACAGTCATTATTCTCAGACATTTTCCGCCACCCAAACCCTATACCAAGTGGGCTTCTCTCT
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 AAACAATCCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTTAAACAACCAGA
 GGATGACTTGGGGTTTGACCCCTTTGATGTCACCTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAACTA
 TCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTCTCAGAACGCCTCCTCACACACTACGACCGCCA
 AAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAGTACCTTTTC
 AGTCTTGCACAGAGTTCCCTCAATTTCCAGCAGCACCAGCAGTTTATAAATTCGTTTCGGTTTCCAGGC
 CAGGCAGCCCGCTATCCTTGGATGGCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC
 CCACCTCAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAACACAGGTCTGGGAGGGATCCC
 CATAGCAGGGGAAGAAGAGGTGAAGTTTCGACCATGCCACTGTCCGCTCTTCCATTACATAACAA
 GGACAGCAGCCTACAAGTCTCCACACTACTGTGGCC

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219277 representing NM_001164411
 Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECLCMEPLEIDDIFFPCTCGYQICRFWHRIRTDENGLCPACRKPYPEDPAVYKPL
 SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVQKNLVFVVLGSLQRLADPEVLKRPEYFGKFGKIHK
 VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPCD
 MYLHELGDAAASFKEEMQAGKHQEQKLLQELYKLNPNFLQLSTGSVDKKNKVTPLQSPIDKPSDSL
 SIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSNHSARSPFEGAVTESQSLFSDNFRHPNIPISGLPP
 FPSSPQTPSDWPTAPEPQSLFTSETIPVSSSDWQAAGFGSSKQPEDDLGDFDPFDVTRKALADLIEKEL
 SVQDQPSLSPTSLQNASSHTTTAKGPGSGFLHSAAPTANANSLNSTFVLPQRFPPQFQHRVYNSFGFPG
 QAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPIAGEEEVKVSTMPLSASSHSLQQ
 GQPTSLHTTVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

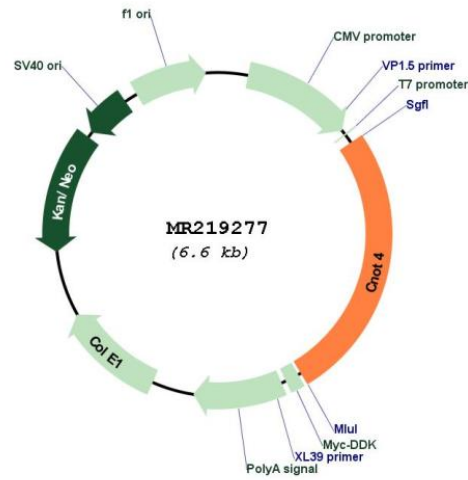
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
MW:	63.5 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]