

Product datasheet for **MR219276**

Cnot4 (NM_016877) Mouse Tagged ORF Clone

Product data:

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

>MR219276 representing NM_016877
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
 ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAGAATGGCTTTGTCTGCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACCACT
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
 GTTGTCAATAATAGCACATCCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGTGGTAGTAGTGGCAGGACACTAAA
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
 ATGTATCTTCATGAATTTGGGAGATGAGGACGCCAGCTTCAAAAAAGAGGAAATGCAGGCGGGTAAGCACC
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGGTATGATACCCCCATTGACAAAACCTTCA
 GATTCTCTCAGTATAGGGAAATGGTGATAATCCCAACAGATATCTAACAGTGTACGCCTTACCACCAC
 CTGGTTTATCAAATCCAACCTGTCAATCCCATCAGTTCATCCAATCACAGTGCAGGTCTCCTTTTGA
 AGGGGCAGTAACAGAGTCACAGTCAATTATCTCAGACAATTTTCGCCACCCCAACCCTATACCAAGTGGG
 CTTCTCTTTTCCAGCTCTCCACAGACACCCAGTATTGGCCTACAGCTCCAGAACCAGAGACCTCT
 TCACATCAGAAACAATCCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTCTAA
 ACAACCAGAGGATGACTTGGGGTTTGACCCTTTGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAG
 AAGGAATATCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTCTTCAAGACGCTCCTCACACACTA
 CGACCGCAAAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAG
 TACCTTTTCAGTCTTGCCACAGAGGTTCCCTCAATTTCCAGCAGCACCAGCAGTTTATAATTCGTTCCGGT
 TTTCCAGGCCAGGACCCGCTATCCTTGGATGGCCTTTCCACGCAATAGCATCATGCATTGAACCACA
 CAGCAAACCCACCTCAAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAAACACAGGTCTGGG
 AGGGATCCCATAGCAGGGGAAGAAGAGGTGAAGGTTTCGACCATGCCACTGTCCGCTCTTCCCATTCA
 TTACAACAAGGACAGCAGCTACAAGTCTCCACACTACTGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219276 representing NM_016877
 Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECPLCMEPLEIDDIINFFPCTCGYQICRFWHRIRTDENGLCPACRKPYPEDPAVYKPL
 SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVQKNLVFVVLGSLQRLADPEVLKRPEYFGKFGKIHK
 VVINNSTSYAGSQGPSASAYVYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPCD
 MYLHELGDAAASFTEEMQAGKHQEQKLLQELYKLNPNFLQLSTGSVDKNKNKVTPLQRYDTPIDKPS
 DSLSIGNDNSQQISNSDTPSPPPGLSKSNPVIPISSSNHSARSPFEGAVTESQSLFSDNFRHPNPISPG
 LPPFPSSPQTPSDWPTAPEPQSLFTSETIPVSSSTDWQAAFQFGSSKQPEDDLGFDVTRKALADLIE
 KELSVQDQPSLSPTSLQNASHTTTAKGPGSGFLHSAAPTANSLNSTFVLPQRFQFQHRVYNSFG
 FPGQAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPIAGEEEVKVSTMPLSASSHS
 LQQGQQPTSLHTTVA

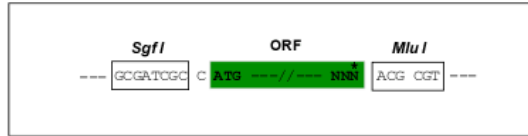
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

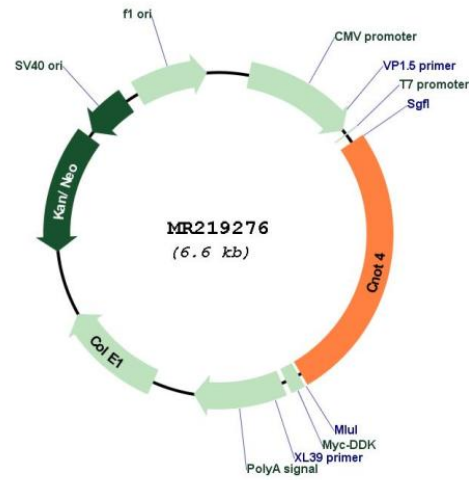
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


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:	<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_016877.4 , NP_058573.3
RefSeq Size:	5622 bp
RefSeq ORF:	1728 bp
Locus ID:	53621
UniProt ID:	Q8BT14
Cytogenetics:	6 B1
MW:	63.9 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]