

Product datasheet for **MC219989**

Cnot4 (NM_001164414) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001164414) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnot4
Synonyms:	Not4; Not4h; Not4hp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219989 representing NM_001164414
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
 ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAGAATGGCTTTGTCTGCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACCTT
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
 GTTGTCAATAATAGCACATCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
 ATGTATCTTCATGAATTTGGGAGATGAGGACGCCAGCTTCACAAAAGAGGAAATGCAGGCGGGTAAGCACC
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGGTATGATACCCCCATTGACAAAACCTTCA
 GATTCTCTCAGTATAGGGAAATGGTGATAATCCCAACAGATATCTAACAGTGTACGCCTTACCACCAC
 CTGGTTTATCAAATCCAACCTGTCAATCCCATCAGTTCATCCAATCACAGTGCAGGTCTCCTTTTGA
 AGGGGCAGTAACAGAGTCACAGTCATTATCTCAGACAATTTTCGCCACCCCAACCCTATACCAAGTGGG
 CTTCTCTTTTCCAGCTCTCCACAGACACCCAGTATTGGCCTACAGTCCAGAACCACAGAGCCTCT
 TCACATCAGAAACAATCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTTCTAA
 ACAACCAGAGGATGACTTGGGGTTTGACCCTTTGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAG
 AAGGAATATCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTCTTCAGAACGCCTCCTCACACTA
 CGACCGCCAAAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAG
 TACCTTTTCAGTCTTGCCACAGAGGTTCCCTCAATTTCCAGCAGCACCGAGCAGTTTATAATTCGTTCCGGT
 TTTCCAGGCCAGGACCCGCTATCCTTGGATGGCCTTTCCACGCAATAGCATCATGCATTGAACCACA
 CAGCAAACCCACCTCAAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAAACACAGGTCTGGG
 AGGGATCCCATAGCAGGTATTCAGCATCTTCAGGAAACTTTAGACTCTATTCAAGACGACAATCCT
 CCACACTGGCTAAAATCCCTACAGGCCCTCACAGAGATGGACGGCCCGAGCGCTGCCTCGTCAACCCC
 ATCACAGCGCCCTTACAGCACAGATCCCTCTGCACAGAGCCAGTTGGAACCCCTACCACCTCCTTC
 AAATCCCTCCAGCTTCCACTCTCCACCCCGAGGCTTCCAGACAGCCTTCCAGACCCCGAGAAAACCCCC
 ACAGATCTGCTACAGAGTTCACACTGGACCGCCACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164414
- Insert Size:** 1929 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:	<u>NM_001164414.1, NP_001157886.1</u>
RefSeq Size:	3344 bp
RefSeq ORF:	1929 bp
Locus ID:	53621
Cytogenetics:	6 B1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) has multiple differences, compared to variant 1. The encoded isoform (5) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>