

## Product datasheet for **MC219184**

### **Cnot4 (NM\_016877) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_016877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnot4
Synonyms:	Not4; Not4h; Not4hp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219184 representing NM\_016877  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG  
 ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC  
 TGATGAGAATGGCTTTGTCTGCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAACCACTT  
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT  
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC  
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA  
 GTTGTCAATAATAGCACATCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA  
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA  
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC  
 ATGTATCTTCATGAATTTGGGAGATGAGGACGCCAGCTTCAAAAAGAGGAAATGCAGGCGGGTAAGCACC  
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAAATTAATCCCAATTTTCTTCAGCTATCTACGGG  
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGGTATGATACCCCCATTGACAAAACCTTCA  
 GATTCTCTCAGTATAGGGAATGGTGATAATCCCAACAGATATCTAACAGTGTACGCCTTACCACCAC  
 CTGGTTTATCAAATCCAACCTGTCTATCCCATCAGTTCATCCAATCACAGTGCAGGTTCTCTTTTGA  
 AGGGGCAGTAACAGAGTCACAGTCATTATTCTCAGACAATTTTCGCCACCCCAACCCTATACCAAGTGGG  
 CTTCTCTTTTCCAGCTCTCCACAGACACCCAGTATTGGCCTACAGTCCAGAACCACAGAGCCTCT  
 TCACATCAGAAACAATCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTTCTAA  
 ACAACCAGAGGATGACTTGGGGTTTGACCCTTTGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAG  
 AAGGAATATCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTCTTCAAGACGCTCCTCACACACTA  
 CGACCGCAAAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAG  
 TACCTTTTCAGTCTTGCCACAGAGGTTCCCTCAATTTCCAGCAGCACCGAGCAGTTTATAATTCGTTCCGGT  
 TTTCCAGGCCAGGACCCGCTATCCTTGGATGGCCTTTCCACGCAATAGCATCATGCATTGAACCACA  
 CAGCAAACCCACCTCAAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAAACACAGGTCTGGG  
 AGGGATCCCATAGCAGGGGAAGAAGAGGTGAAGGTTTCGACCATGCCACTGTCCGCTCTTCCATTCA  
 TTACAACAAGGACAGCAGCCTACAAGTCTCCACTACTGTGGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_016877

**Insert Size:** 1728 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:**

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]  
Transcript Variant: This variant (2) has multiple differences, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to 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.