

Product datasheet for **MC218312**

Cnot4 (NM_001164412) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001164412) 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



[View online »](#)

Fully Sequenced ORF: >MC218312 representing NM_001164412
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
 ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAGAATGGCTTTGTCTGATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAACCACTT
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
 GTTGTCAATAATAGCACATCTATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACGTATA
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
 ATGTATCTTCATGAATTTGGGAGATGAGGACGCCAGCTTACAAAAAGAGGAAATGCAGGCGGGTAAGCACC
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCATGACAAACCTTCAGATTCTCTC
 AGTATAGGGAATGGTGATAATTTCCAACAGATATCTAACAGTGATACGCCTTCACCACCCTGGTTTAT
 CAAAATCCAACCTGTATCCCCATCAGTTCATCCAATCACAGTGCAGGCTCCTTTTGAAGGGGAGT
 AACAGAGTCACAGTCATTATTCTCAGACAATTTTCGCCACCCCAACCCTATACCAAGTGGGCTTCTCTCT
 TTTCCAGCTCTCCACAGACACCAGTATTGGCTACAGCTCCAGAACCACAGAGCCTTTCACATCAG
 AAACAATCCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTTAACAACCCAGA
 GGATGACTTGGGGTTTGACCCCTTTGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAACTA
 TCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTTTCAGAACGCCTCCTCACACACTACGACCGCCA
 AAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAATCTCTCAATAGTACCTTTTC
 AGTCTTGGCCACAGAGTTCCCTCAATTTTCAGCAGCACCAGCAGTTTATAATTCGTTTCGGTTTTCCAGGC
 CAGGCAGCCCGCTATCCTTGGATGGCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC
 CCACCTCAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAACACAGGCTGGGAGGGATCCC
 CATAGCAGGTATCCAGCATCTCAGGAAACACTTTAGACTCTATTCAAGACGACAATCTCCACACTGG
 CTAATAATCCCTACAGGCCCTCACAGAGATGGACGGCCCCAGCGCTGCCTCGTCAACCCCATCACAGCG
 CCCCTTCAGCACACAGATCCCTCTGCACAGAGCCAGTTGGAACCCCTACCCACCTCCTTCAAATCCCTC
 CAGCTTCACTCTCCACCCCAAGGCTTCCAGACAGCCTTCCAGACCCCCAGCAAAACCCCCACAGATCTG
 CTACAGAGTTCCACACTGGACCGCCACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164412
- Insert Size:** 1920 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_001164412.1](#), [NP_001157884.1](#)

RefSeq Size: 3335 bp

RefSeq ORF: 1920 bp

Locus ID: 53621

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 (4) lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (4) 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.