OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC219185

Cnot4 (NM_001164411) Mouse Untagged Clone

Product data:

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

Fully Sequenced ORF:

>MC219185 representing NM_001164411
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCGCAGTCCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTGCATGGAGCCCTTGGAAATAG
ATGATATTAACTTTTTCCCTTGCACCTGTGGCTACCAGATATGCCGATTTTGTTGGCATCGAATTCGCAC
TGATGAGAATGGGCTTTGTCCTGCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAACCACTT
TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAAACCTTGTGTTTGTTGTAGGTCTGTC
ACAGCGCCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTTGGGAAGTTTGGTAAAATACATAAA
GTTGTCATCAATAATAGCACATCCTATGCAGGCTCACAGGGTCCGAGTGCCAGTGCTTATGTAACGTATA
TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGTGGTAGTAGATGGCAGGACACTAAA
GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
ATGTATCTTCATGAATTGGGAGATGAGGCAGCCAGCTTCACAAAAGAGGAAATGCAGGCGGGTAAGCACC
AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAATTAAATCCCAATTTTCTTCAGCTATCTACGGG
TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCCATTGACAAACCTTCAGATTCTCTC
AGTATAGGGAATGGTGATAATTCCCAACAGATATCTAACAGTGATACGCCTTCACCACCACCTGGTTTAT
CAAAATCCAACCCTGTCATCCCCATCAGTTCATCCAATCACAGTGCGAGGTCTCCTTTTGAAGGGGCAGT
AACAGAGTCACAGTCATTATTCTCAGACAATTTTCGCCACCCCAACCCTATACCAAGTGGGCTTCCTCCT
TTTCCCAGCTCTCCACAGACACCCAGTGATTGGCCTACAGCTCCAGAACCACAGAGCCTCTTCACATCAG
AAACAATCCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTCGGCTTTGGTTCTTCTAAACAACCAGA
GGATGACTTGGGGTTTGACCCCTTTGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAACTA
TCCGTCCAAGATCAACCTTCCCTTTCCCCCACATCTCTTCAGAACGCCTCCTCACACACTACGACCGCCA
AAGGGCCAGGCTCTGGATTCCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAGTACCTTTTC
AGTCTTGCCACAGAGGTTCCCTCAATTTCAGCAGCACCGAGCAGTTTATAATTCGTTCGGTTTTCCAGGC
CAGGCAGCCCGCTATCCTTGGATGGCCTTTCCACGCAATAGCATCATGCACTTGAACCACACAGCAAACC
CCACCTCAAATAGTAATTTCTTGGACTTGAATCTCCCGCCACAGCACAACACAGGTCTGGGAGGGATCCC
CATAGCAGGGGAAGAAGAGGTGAAGGTTTCGACCATGCCACTGTCCGCCTCTTCCCATTCATTACAACAA
GGACAGCAGCCTACAAGTCTCCACACTACTGTGGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001164411

Insert Size: 1719 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_001164411.1, NP_001157883.1
RefSeq Size:	5613 bp
RefSeq ORF:	1719 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 (3) differs in the 3' UTR and coding region, compared to variant 1. The encoded isoform (3) 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.