

Product datasheet for **MC220789**

Cnot4 (NM_001164413) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001164413) 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: >MC220789 representing NM_001164413
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
 ATGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATATGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAGAATGGCTTTGTCTGCATGTAGAAAACCATATCCAGAAGATCCAGCAGTTTACAAAACACTT
 TCCCAGGAAGAATTACAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAAAGAAAACAGAAAATCT
 CAGAAAATAGAAAACATTTGGCTAGTGTACGTGTGTACAAAAAACCTTGTGTTTGTGTAGGTCTGTC
 ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
 GTTGTCAATAATAGCACATCTATGCAGGCTCACAGGTCGAGTCCGAGTCCAGTGCCTTATGTAACGTATA
 TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTAGTAGATGGCAGGACACTAAA
 GGCATCTTTAGGTACAACAAAGTACTGCAGTTATTTCTTAAAGAACATGCAGTGCCCAAAGCCTGACTGC
 ATGTATCTTCATGAATGGGAGATGAGGACGCCAGCTTCAAAAAGAGGAAATGCAGGCGGGTAAGCACC
 AAGAATATGAACAGAAGCTCCTCCAAGAATTATATAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
 TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCCATTGACAAACCTTCAGATTCTCTC
 AGTATAGGGAATGGTGATAATCCCAACAGATATCTAACAGTGATACGCCCTTCACCACCCTGGTTTAT
 CAAAATCCAACCTGTATCCCCATCAGTTCATCCAATCACAGTGCAGGCTCCTTTTGAAGGGGCAGT
 AACAGAGTCACAGTCATTATTCTCAGACATTTTCCGCCACCCAAACCCTATACCAAGTGGGCTTCTCTCT
 TTTCCAGCTCTCCACAGACACCCAGTATTGGCTACAGCTCCAGAACCACAGAGCCTTTCACATCAG
 AAACAATCCCAGTTTCATCATCTACAGACTGGCAAGCAGCATTTCGGCTTTGGTTCTTAACAACACAGA
 GGATGACTTGGGTTTGACCCCTTTGATGTCACCTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAAC
 TCCGTCCAAGATCAACCTTCCCTTTCCCCACATCTCTCAGAACGCCTCCTCACACACTACGACCGCCA
 AAGGGCCAGGCTCTGGATTCTGCACTCTGCTGCACCTACAAATGCCAACTCTCTCAATAGTACCTTTTC
 AGTCTTGCCACAGAGTTCCCTCAATTTTCAGCAGCACCAGCAGTTTATAAATTCGTTTCGGTTTTCAGGC
 CAGGCAGCCCGCTATCCTTGGATGGCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC
 CCACCTCAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAACACAGGTCTGGGAGGGATCCC
 CATAGCAGACAACAACAGTTCTGTAGAGAGTTAAATATGAAGGAATGGCAGGACGGGCTAAGGGCACTT
 CTACCAACATTAACATCAACTTTGGTGGACTGCCCAATTCCTTCTCCCTCCAACGCCAACACAGTG
 CACCAACGTCCAACACTGCCACCACGGACAGCGTGAGTTGGGACAGCCCTGGCAGCTGGACAGACCAGC
 CATCATCACAGGTATCCAGCATCTTCAGAAAACACTTTAGACTCTATTCAAGACGACAATCCTCCACAC
 TGGCTAAAATCCCTACAGGCCCTCACAGAGATGGACGGCCCGCAGCGCTGCCTCGTACAACCCCATCACA
 GCGCCCTTTCAGCACACAGATCCCTCTGCACAGAGCCAGTTGGAACCCCTACCCACCTCCTTAAATCC
 CTCCAGCTTCCACTCTCCACCCCGAGGCTTCCAGACAGCCTTCAGACCCCCAGCAAAACCCCCACAGAT
 CTGCTACAGAGTCCACACTGGACCGCCACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001164413
Insert Size: 2133 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_001164413.1</u> , <u>NP_001157885.1</u>
RefSeq Size:	3548 bp
RefSeq ORF:	2133 bp
Locus ID:	53621
UniProt ID:	<u>Q8BT14</u>
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 (1) represents the longest transcript and encodes the longest 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>