

## Product datasheet for **SC126464**

### CNOT1 (NM\_206999) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CNOT1 (NM\_206999) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CNOT1  
**Synonyms:** AD-005; CDC39; HPE12; NOT1; NOT1H  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Cell Selection:** None  
**Fully Sequenced ORF:** >OriGene sequence for NM\_206999 edited

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>OriGene sequence for NM_206999 edited
CGGAGCCATTTTGTAGAGAAACAAGCGGAGTTAACCGAAGAGGGGTCGAGGAGAGCCGG
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CTCTCCTTCAATCAACATTCCCTTATAAATCCAGAGATCTTCTGTTTTGCTGACTATCCC
TGTCATACTGTTGCCACTGATATTCTGAAAGCACCACCAGAGGATGACAAATCGAGAAATT
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GCCACATGGAAGAGCTTGGATTTGATTGAATCTCTGCTGAGGCTTGCAGAGGTTGGGCAG  
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 CTGATGCCAATTTTCTTGGAAACCATCCTAACTCAGCTATTATTTTGCAGTATGCATGG  
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 CTCTGCAAGAACCTTGCAATTAGACATCAATGAGCTAAAACCTGGAACCTCCTAAAGGAT  
 AAAGATCGCCTGAAGAATTTAGATGAGCAACTCTCTGCTCCAAGAAAGATGTCAAGCAG  
 CCAGAAGAACTCCCTCCCATCACAACCACAACAACCTTCTACTACACCAGCTACCAACACC  
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 TCCCTTGGGGCTTGGCACCACACATTACTCTGAATCCAACAATTCCTTGTTCAGGCC  
 CATCCACAGTTGAAGCAGTGTGTGCGTCAGGCAATTGAACGGGCTGTCCAGGAGCTGGTC  
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 AAGGATTTTGGCCTGGATTTCGGAGGAATCTCGAATGCGAATAGCAGCTCATCACATGATG  
 CGTAACTTGACAGCTGGAATGGCTATGATTACATGCAGGGAACCTTTGCTCATGAGCATA  
 TCTACCAACTTAAAAACAGTTTTGCCTCAGCCCTTCGTGTAAGTTGGCTATTTCTTGG

TATAGGTACAAAACGTATTACTGCTTGTCTGTAATAATTTTTTTCTTTGTCTATATATGG  
 CACTGGGCGTTACCACTTATTCTTAATAATCACCATATTTGTTTGATGTCTTCCATCATT  
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 TATTCTCAACACGATGTTTGACAGATAGTAGATACCCAAATATTTGTTGGTTAAATAAA  
 TTAAGATTTAAAAAGGAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_206999 unedited  
 NGCGGTTCCGATTTTGTAAATACGACTTACTATAGGCGGCCGCATAAECTTCGTATAGCATA  
 CATTATATTAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGCCG  
 GAGCCATTTTGTAGAGAAACAAGCGGAGTTAACCGAAGAGGGGTCGAGGAGAGCCGGAG  
 TCGGGGACCCAGGAGTTTCTGTGTCCAGCGCTGCCGGAGCCGCCTGAGGTGCCATGTTT  
 CAGAACAGAGTAAGACCCTGGTAAAGAAGAACTGAAGATATTACAGATACCAGATAT  
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 TTTTATCTCGACGCTGCCTATGCCATTGATAATCCATTGCACTATCAGAAGAGTTTAAA  
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 AGGTAAATTTGGCCCTTGCCCTGTTGAATTTCTCCAGCTCAGATCTTAGAGTTTTTCGC  
 TGCCCATTTTATAAAAAAGAAGCTTCCCGATACCCTGCGTTTTTTACATTGACGCAGCAG  
 TCAGTGGGAATTCAGA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_206999

**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\\_206999.1](#), [NP\\_996882.1](#)

**RefSeq Size:**

5019 bp

**RefSeq ORF:**

4656 bp

**Locus ID:**

23019

**UniProt ID:**

[A5YKK6](#)

**Cytogenetics:**

16q21

**Protein Pathways:** RNA degradation

**Gene Summary:** Scaffolding component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Its scaffolding function implies its interaction with the catalytic complex module and diverse RNA-binding proteins mediating the complex recruitment to selected mRNA 3' UTRs. Involved in degradation of AU-rich element (ARE)-containing mRNAs probably via association with ZFP36. Mediates the recruitment of the CCR4-NOT complex to miRNA targets and to the RISC complex via association with TNRC6A, TNRC6B or TNRC6C. Acts as a transcriptional repressor. Represses the ligand-dependent transcriptional activation by nuclear receptors. Involved in the maintenance of embryonic stem (ES) cell identity.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a. 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.