

## Product datasheet for **SC332460**

### **CNOT10 (NM\_001256742) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CNOT10 (NM_001256742) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNOT10
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC332460 representing NM\_001256742.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAGTCTATTGGTGTAAAGACTGTCAAGGTTTGTGGGTCAAAGAGCTCTGTACGCATAGAAGGTCAG
CCATGTTTCATTAGGCCAGAGTAGAAGGAAAAGTCAAGCTTATGGGTGAACGGTCGTATACTCTTTCAATT
GGCAACGGAGACTACTTTTGGGCAAATAAAGAAATGCTGTGGGATTATGTGCAGACTCTGTCTGATCAG
GGAGCAGAGAAACATGAAGGCACAGGTCAGTCCCTGGGATCACTGATCAAGAGAAGGAGTTATCCACC
AATGCTTTCGAAGCTTTCACATCTGAAAATTATGATGCCTGTCTACAACACCTTGCTGTCTACAAGAT
ATAAACAAAGATGATTATAAAATAATTTTGAATACAGCAGTAGCTGAGTTTTTAAAAAGTAAACAAACA
ACAACAGATAATTTGAGACAAACACTTAACCAGCTGAAGAATCAGGTCCACTCAGCTGTTGAAGAAATG
GATGGATTAGATGATGTTGAAAACAGCATGTTGTACTATAATCAAGCAGTCATTCTTTATCATCTGCGG
CAGTATACAGAAGCCATATCAGTTGGTGA AAAACTTTATCAGTTCATAGAGCCTTTTGAAGAAAAATTT
GCCCAAGCAGTGTGTTTTTGTGTAGACCTGTATATTAACCTACCAAGCTGAGAAAGCTTTGCAT
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GCAGGTAGCACTGATCCAGGTA AAAATTTTTCAGGAAGACCCATGTGTACGTTACTAACCAATAAGAGA
TATGAGTTGCTGTATAACTGTGGAATTCAGCTTCTTACATTGGAAGGCCTCTTGCTGCCTTCAATGT
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AGTGCCTACGTGGCTCTGGCTTTGGGTGATAACCTCATGGCTTTGAATCATGCAGATAAACTTCTCAG
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GACAGAATATCTGATGCCATTACTCACTTGAACCCGGAGAATGTCACTGATGTCTCTTAGGGATCTCT
TCAAAATGAGCAGGACCAAGGATCAGACAAGGTGAAAATGAAGCAATGGAATCCTCTGGTAAAGCGGGCC
CCTCAGTGCTACCCAGTTCCTGCAACTCTGCCAGGACTGTGATGCTGTTCAACCTTGGCAGCGCTTAC
TGCTGAGGAGCGAATATGACAAAGCCGAAAAGTGTCTCCACCAGGCGGCTTCAATGATCCATCCTAAA
GAGGTGCCCTGAGGCCATCTGCTGGCAGTCTACCTTGAAGTGCAGAATGGTAATACTCAGCTGGCC
TTACAGATCATCAAAGGAATCAGCTGCTCCCTGCAGTAAAACACACTGAAGTGAGAAAAGAGCCA
GTGTTTACGCTGTCCACCCGATCCAGCCCATCCAATGCCGGCTTTCACCACTGTGCAGAGAAAGTGA
  
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001256742

**Insert Size:** 2415 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001256742.1</a>
<b>RefSeq Size:</b>	2778 bp
<b>RefSeq ORF:</b>	2415 bp
<b>Locus ID:</b>	25904
<b>UniProt ID:</b>	<a href="#">Q9H9A5</a>
<b>Cytogenetics:</b>	3p22.3
<b>Protein Pathways:</b>	RNA degradation
<b>MW:</b>	89.1 kDa
<b>Gene Summary:</b>	<p>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. Is not required for association of CNOT7 to the CCR4-NOT complex.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) is longer and has a distinct N-terminus, compared to isoform 1.</p>