

Product datasheet for **SC110405**

CNOT7 (NM_013354) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT7 (NM_013354) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNOT7
Synonyms:	CAF-1; CAF1; Caf1a; hCAF-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_013354, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGCGGCAACTGTAGATCATAGCCAAAGAATTTGTGAAGTTGGGCTTGCAACTTGGATGAAGAGA  
TGAAGAAAATTCGTCAAGTTATCCGAAAATATAATTACGTTGCTATGGACACCGAGTTTCCAGGTGTGGT  
TGCAAGACCCATTGGAGAATTCAGGAGCAATGCTGACTATCAATACCAACTATTGCGGTGTAATGTAGAC  
TTGTTAAAGATAATTCAGCTAGGACTGACATTTATGAATGAGCAAGGAGAATACCCTCCAGGAACCTCAA  
CTTGCCAGTTTAAATTTAAATTTAATTTGACGGAGGACATGTATGCCAGGACTCTATAGAGCTACTAAC  
AACATCTGGTATCCAGTTTAAAAACATGAGGAGGAAGGAATTGAAACCCAGTACTTTGCAGAACTTCTT  
ATGACTTCTGGAGTGGTCTCTGTGAAGGGTCAAATGGTTGTCATTTTCATAGCGTTACGACTTTGGCT  
ACTTAATCAAAATCCTAACCAACTCTAACTTGCCTGAAGAAGAACTTGACTTCTTTGAGATCCTTCGATT  
GTTTTTCTGTCAATTTATGATGTGAAGTACCTCATGAAGAGCTGCAAAAATCTCAAAGGTGGATTACAG  
GAGGTGGCAGAACAGTTAGAGCTGGAACGGATAGGACCACAACATCAGGCAGGATCTGATTCATTGCTCA  
CAGGAATGGCCTTTTCAAATGAGAGAAATGTTCTTTGAAGATCATATTGATGATGCCAAATATTGTGG  
TCATTTGTATGGCCTTGGTTCTGGTTCATCCTATGTACAGAAATGGCACAGGGAATGCATATGAAGAGGAA  
GCCAACAAAGCAGTCATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_013354 unedited</p> <pre>GGTTCACATTTGTATACGACTCCTATAGGCGGCCGCGCAATTCGCACGAGGGCGACGGCG CAGCACGGTGGCGGCAGCTCCTGCTCGCCTTTCCCTTCGCTGGGCGAGAGGTGTCTATG GGGCACCCGCTGCCGCCCGCTACCGCCACCGCCACCGCCACCGCCCGGAGTGCTGTC TCTATGGCGAGGAGGAGGAGGAGGAGCGCGAGCTCAGCGACACAAGTACATAAATAAAGG ATAAAATATTTTATGAAACAAATCTTCAATCAAGTATAACATTTTGATGCTTGGCATCTA GACTCCCTTGTGCCCTCACTATGCCAGCGCAACTGTAGATCATAGCCAAAGAATTTGTG AAGTTTGGGCTTGCAACTTGATGAAGAGATGAAGAAAATTCGTAAGTTATCCGAAAAT ATAATTACGTTGCTATGGACACCGAGTTTCCAGGTGTGGTTGCAAGACCCATTGGAGAAT TCAGGAGCAATGCTGACTATCAATACCAACTATTGCGGTGTAATGTAGACTTGTTAAAGA TAATTCAGCTAGGACTGACATTTATGAATGAGCAAGGAGAATACCTCCAGGAACCTCAA CTTGGCAGTTTAAATTTAAATTTGACGGAGGACATGTATGCCAGGACTCTATAG AGCTACTAACACATCTGGTATCCAGTTTAAAAACATGAGGAGGAAGGAATTGAAACCC AGTACTTTGCAGAACTTCTTATGACTTCTGGAGTGGTCTCTGTGAAAGGGTCAAATGGT TGTCATTTTCATAGCGGNTACGAACCTGGCTACTTAATCAAATCCTAACAACTCTAACTT GCCTGAAGAAGAACTGACTTCTTTGAGATCCTCCGATGGGTTTTCTCTGCATTTATGA TTGTAAGTACCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_013354 unedited</p> <pre>GGCAGCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATTAAGATCTGAGATAGGAAC GGTCATACTTAGTACTGAAAGGCAGACAATAAAATGGGCCATGAAAGGGGGGGAAAGGT ACTGTCTATTGTTGAGGGATTCAACCAGAGATAAAACCTATATACAAGCATGTGTGTAG CTCGAAATAAAAAATAAAGGACTATTTTCATGTCATGACTGCTTGTGGCTTCCTCTTCAT ATGCATTCCTGTGCCATTCTGTACATAGGATGAACCAGAACCAAGGCCATACAAATGAC CACAATATTTGGCATCATCAATATGATCTTCAAAGAACATTTCTCTCATTTTGAAAAAGG CCATTCCTGTGAGCAATGAATCAGATCCTGCCTGATGTTGTGGTCTATCCGTTCCAGCT CTAACTGTTCTGCCACCTCCTGTAATCCACCTTTGAGATTTTGCAGCTCTTCATGAGGT ACTTCACATCATAAATGACAGGAAAAACAATCGAAGGATCTCAAAGAAGTCAAGTTCTT CTTCAGGCAAGTTAGAGTTGGTTAGGATTTTGATTAAGTAGCCAAAGTCGTAACCGCTAT GAAATGACAACCATTTGACCCCTTCACAGAGGACCACTCCAGAAGTCATAAGAAGTTCTG CANAGTACTGGGTTTCAATTCCTCCTCCTCATGTTTTTAACTGGATACCAGATGTTG TTAGTAGCTCTATAGAGTCTGGGCATACATGTCCTCCGTCAAATTAATTTAAAAATTA ACTGCCAAAGTGAGTTCCCTGGAAGGTATCCCTCCCTGCTCATTCAAAATGCCACGCCT AGCTGATTATCTTTAACAGTCTACATTACCACGCATANTTGGTTTTGATGTCAGCATTGC TCCTGAATTCTCAAGGGCTTGCAACCCCTGGAACCTCGGGGCTAGCACGTAATTT TTTTTCGG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_013354
Insert Size:	1500 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:	NM_013354.4 , NP_037486.1
RefSeq Size:	2646 bp
RefSeq ORF:	2646 bp
Locus ID:	29883
UniProt ID:	Q9UIV1
Cytogenetics:	8p22
Domains:	CAF1
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
Gene Summary:	<p>The protein encoded by this gene binds to an anti-proliferative protein, B-cell translocation protein 1, which negatively regulates cell proliferation. Binding of the two proteins, which is driven by phosphorylation of the anti-proliferative protein, causes signaling events in cell division that lead to changes in cell proliferation associated with cell-cell contact. The encoded protein downregulates the innate immune response and therefore provides a therapeutic target for enhancing its antimicrobial activity against foreign agents. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1 and X. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. Variants 1, 6, 7 and 8 all encode isoform 1.</p>