

## Product datasheet for **SC335132**

### CNOT8 (NM\_001301073) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT8 (NM_001301073) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNOT8
Synonyms:	CAF1; Caf1b; CALIF; hCAF1; POP2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001301073, the custom clone sequence may differ by one or more nucleotides

```
ATGCCTGCAGCACTTGTGGAGAATAGCCAGGTTATCTGTGAAGTGTGGGCCAGTAATCTAGAAGAAGAGA
TGAGGAAGATCCGAGAAATCGTGCTCAGTTACAGTTATATTGCCATGGACACAGAATTTCCAGGTGTTGT
GGTGCGACCAATTGGTGAATTCGTAGTCCATAGATTACCAATATCAGCTTCTGCGGTGCAATGTTGAC
CTTTTAAAAATTATCCAGCTGGGCCTTACATTCACAAATGAGAAGGGAGAGTATCCTTCTGGAATCAATA
CTTGGCAGTTCAATTTCAAATTTAACCTTACAGAGGACATGTACTCCCAGGATCCATAGATCTCCTTGC
TAACTCAGGACTACAGTTTCAGAAGCATGAAGAGGAAGGATTGACACACTGCACCTTTCAGAGCTGCTT
ATGACATCAGGAGTGGTTCTCTGTGACAATGTCAAATGGCTTTCATTTTCATAGTGGCTATGATTTTGGCT
ATATGGTAAAGTTGCTTACAGATTCTCGTTTGCCAGAAGAGGAACATGAATTCCTTCATATTCTGAACCT
TTTCTTCCCATCCATTTATGATGTGAAATACCTGATGAAGAGCTGCAAAAATCTTAAGGGAGGTCTTCAG
GAAGTTGCTGATCAGTTGGATTTGCAGAGGATTGGAAGGCAGCACCAGGCAGGCTCAGACTCACTGCTGA
CAGGAATGGCTTCTTTAGGATGAAAGAGTTGTTTTTTGAGGACAGCATTGATGATGCCAAGTACTGTGG
GCGGCTCTATGGCTTAGGCACAGGAGTGGCCAGAAGCAGAATGAGGATGTGGACTCTGCCAGGAGAAG
ATGAGCATCCTGGCGATTATCAACAACATGCAGCAGTGA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001301073
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).



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**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\\_001301073.1](#), [NP\\_001288002.1](#)

**RefSeq Size:** 2621 bp

**RefSeq ORF:** 879 bp

**Locus ID:** 9337

**UniProt ID:** [Q9UFF9](#)

**Cytogenetics:** 5q33.2

**Protein Families:** Transcription Factors

**Protein Pathways:** RNA degradation

**Gene Summary:** Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. Its function seems to be partially redundant with that of CNOT7. Catalytic component of the CCR4-NOT complex which is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. During miRNA-mediated repression the complex seems also to act as translational repressor during translational initiation. Additional complex functions may be a consequence of its influence on mRNA expression. Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti-proliferative activity. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and encode the same isoform (1), compared to variant 1.