

Product datasheet for **SC334281**

CNOT8 (NM_001301080) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT8 (NM_001301080) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNOT8
Synonyms:	CAF1; Caf1b; CALIF; hCAF1; POP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001301080, the custom clone sequence may differ by one or more nucleotides

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ATGTACTCCCAGGATTCCATAGATCTCCTTGCTAACTCAGGACTACAGTTTCAGAAGCATGAAGAGGAAG
GGATTGACACACTGCACTTTGCAGAGCTGCTTATGACATCAGGAGTGGTTCTCTGTGACAAATGTCAAATG
GCTTTTCATTTTCATAGTGGCTATGATTTTGGCTATATGGTAAAGTTGCTTACAGATTCTCGTTTGCCAGAA
GAGGAACATGAATTCTTTCATATTCTGAACCTTTTCTCCCATCCATTTATGATGTGAAATACCTGATGA
AGAGCTGCAAAAATCTTAAGGGAGGTCTTCAGGAAGTTGCTGATCAGTTGGATTTCAGAGGATTGGAAG
GCAGCACCAGGCAGGCTCAGACTCACTGCTGACAGGAATGGCTTTCTTTAGGATGAAAGAGTTGTTTTT
GAGGACAGCATTGATGATGCCAAGTACTGTGGCGGCTCTATGGCTTAGGCACAGGAGTGGCCAGAAGC
AGAATGAGGATGTGGACTCTGCCAGGAGAAGATGAGCATCCTGGCGATTATCAACAACATGCAGCAGTG
A
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301080
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_001301080.1](#), [NP_001288009.1](#)

RefSeq Size: 2432 bp

RefSeq ORF: 561 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 (6) has an alternate splice site and lacks two internal exons in the 5' region, which results in translation initiation at a downstream in-frame AUG, compared to variant 1. The resulting isoform (3) has a shorter N-terminus, compared to isoform 1.

Variants 4, 5, 6, 7 and 8 encode the same isoform 3.