

# **Product datasheet for RG236388**

## CNOT8 (NM 001301082) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: CNOT8 (NM\_001301082) Human Tagged ORF Clone

Tag: TurboGFP Symbol: CNOT8

Synonyms: CAF1; Caf1b; CALIF; hCAF1; POP2

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

**E. coli Selection:** Ampicillin (100 ug/mL)

ORF Nucleotide >RG236388 representing NM\_001301082.
Sequence: Blue=ORF Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

CAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG236388

Blue=ORF Red=Cloning site Green=Tag(s)

MYSQDSIDLLANSGLQFQKHEEEGIDTLHFAELLMTSGVVLCDNVKWLSFHSGYDFGYMVKLLTDSRLP EEEHEFFHILNLFFPSIYDVKYLMKSCKNLKGGLQEVADQLDLQRIGRQHQAGSDSLLTGMAFFRMKEL

FFEDSIDDAKYCGRLYGLGTGVAQKQNEDVDSAQEKMSILAIINNMQQ

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA

FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** Sgfl-Mlul



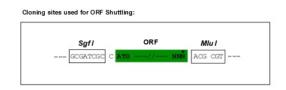
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

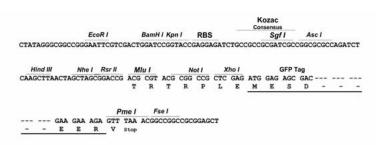
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

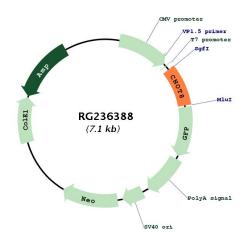


### **Cloning Scheme:**





#### Plasmid Map:



ACCN: NM\_001301082

ORF Size: 558 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**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).



### CNOT8 (NM\_001301082) Human Tagged ORF Clone - RG236388

RefSeq: <u>NM 001301082.1</u>, <u>NP 001288011.1</u>

RefSeq Size: 2145 bp
RefSeq ORF: 561 bp
Locus ID: 9337
UniProt ID: Q9UFF9
Cytogenetics: 5q33.2

**Protein Families:** Transcription Factors

**Protein Pathways:** RNA degradation

MW: 21.7 kDa

**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]