

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 Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236388 representing NM_001301082.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTA CTCCCAGGATTCCATAGATCTCCTTGCTAACTCAGGACTACAGTTTCAGAAGCATGAAGAGGAA
GGGATTGACACTGCACCTTTGCAGAGCTGCTTATGACATCAGGAGTGGTCTCTGTGACAATGTCAAA
TGGCTTTCATTT CATAGTGGCTATGATTTTGGCTATATGGTAAAGTTGCTTACAGATTCTCGTTTGCCA
GAAGAGGAACATGAATTC TTTTCATATTCTGAACCTTTTCTCCCATCCATTTATGATGTGAAATACCTG
ATGAAGAGCTGCAAAAATCTTAAGGGAGGCTTTCAGGAAGTTGCTGATCAGTTGGATTTGCAGAGGATT
GGAAGGCAGCACCAGGCAGGCTCAGACTCACTGCTGACAGGAATGGCTTTCTTTAGGATGAAAGAGTTG
TTTTTTGAGGACAGCATTGATGATGCCAAGTACTGTGGGCGGCTCTATGGCTTAGGCACAGGAGTGGCC
CAGAAGCAGAATGAGGATGTGGACTCTGCCCAGGAGAAGATGAGCATCCTGGCGATTATCAACAACATG
CAGCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236388
Blue=ORF Red=Cloning site Green=Tag(s)

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MYSQDSIDLLANGLQFQKHEEEGIDTLHFAELLM TSGVVLCDNVKLSFHSGYDFGYMVKLLTDSRLP
EEEHEFFHILNLFPSIYDVKYLKMSCKNLKGG LQEVADQLDLQRIQRHQAGSDSLLTGMAFFRMKEL
FFEDSIDDAKYCGRLYGLGTGVAQKQNE D VDSAQEKMSILAIINMQQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: SgfI-MluI



RefSeq:	<u>NM_001301082.1, NP_001288011.1</u>
RefSeq Size:	2145 bp
RefSeq ORF:	561 bp
Locus ID:	9337
UniProt ID:	<u>Q9UFF9</u>
Cytogenetics:	5q33.2
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
MW:	21.7 kDa
Gene Summary:	<p>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]</p>