

Product datasheet for **RG231320**

CNOT4 (NM_001190848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT4 (NM_001190848) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CNOT4
Synonyms:	CLONE243; NOT4; NOT4H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231320 representing NM_001190848
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTCGCAGTCTGATGCGAAGGAAGACCCTGTGGAGTGCCCTCTTTCATGGAGCCCTTGGAGATAG
 ATGATATCAACTTTTCCCTTGACCTGTGGCTACCAGATTTGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAAAATGGGCTTTGTCTGCATGTAGAAAGCCATATCCAGAAGACCCAGCAGTTTATAAACTACTC
 TCCCAGGAAGAGCTGCAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAGAGAAAAACAGAAAATAT
 CAGAAAATCGCAAACATTTGGCTAGTGTACGTGTCGTACAAAAAACCTCGTCTTTGTTGTAGGTTTATC
 TCAGCGCTAGCAGACCCAGAGGTTTTAAAAACGACCAGAATATTTTGGGAAGTTTGGTAAAAACATAAA
 GTTGTCAATAATAGCACATCATATGCAGGCTCACAGGGTCCAAGTCCAGTGCTTATGTAACCTATA
 TCCGGTCAGAAGACGCTCTCAGAGCCATACAGTGTGTCAACAATGTGGTAGTAGTGGCAGAACACTTAA
 GGCATCTCTAGGTACAACAAAATACTGCAGTACTTCTTAAAGAATATGCAGTGTCCAAAACCTGACTGC
 ATGTATCTTCATGAATTTGGGGATGAGGCGGCCAGCTTCAAAAAGAGGAAATGCAGGCGGGTAAACACC
 AAGAATATGAACAGAAGCTACTTCAAGAATTATATAAAATTAATCCCAATTTTCTTCAGCTATCTACGGG
 TTCAGTTGATAAAAAAAGAACAAGTGACACCACTGCAGAGGTACGATACCCCCATTGACAAAACCTTCA
 GATTCTCTCAGTATAGGGAACGGTGATAATCCCAGCAGATATCTAACAGTGATACGCCTTACCACCAC
 CTGGTTTGTCAAATCCAATCCAGTCAATCCCATCAGTTCATCCAATCACAGTGCACGGTCCCCTTTTGA
 AGGGGCAGTAACAGAGTCACAGTCGTTATTCTCAGACAATTTTCGCCATCCCAACCCTATCCCAAGTGGG
 CTTCTCTTTCCCCAGCTCCCCACAGACATCCAGTACTGGCTACAGCACCAGAACCACAGAGCCTCT
 TCACATCAGAAACAATCCAGTATCATCTCTACAGACTGGCAAGCAGCTTTTGGCTTTGGTTCTCTAA
 ACAACCAGAGGATGACTTGGGTTTTGATCCCTCGATGTCACTCGAAAAGCCTTAGCAGACCTGATTGAG
 AAGGAAGTGTCCGTTCAAGACCAACCTCCCTTTCGCCACATCTCTTCAAGACTCTTTCACACACTA
 CAACCGCCAAAGGTCCAGGCTCTGGATTCTGCATCTGCTGCAGCTACAAATGCCAATTCTCTCAATAG
 TACCTTTTCAGTCTTGCACCAGAGGTTCCCTCAATTTTCAGCAGCACCGAGCGGTTTATAATTCATTAGT
 TTTCCAGGCCAGGACCCGCTATCCTTGGATGGCCTTCCACGCAATAGCATCATGCATTGAACCACA
 CAGCAAACCCACCTCAAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAACACAGGTCTGGG
 AGGGATCCCTGTAGCAGGGGAAGAAGAGGTGAAGGTTTCGACCATGCCACTGTCAACCTCTTCCATTCA
 TTACAACAAGGACAGCAGCCTACAAGTCTCCACACTACTGTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG231320 representing NM_001190848
 Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECPLCMEPLEIDDINFFPCTCGYQICRFWHRIRTDENGLCPACRKPYPEDPAVYKPL
 SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVKNLVVFVGLSQRLADPEVLKRPEYFGKFGKIHK
 VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPCD
 MYLHELGDAAASFKEEMQAGKHQEQKLLQELYKLNPNFLQLSTGSDKNKNKVTPLQRYDTPIDKPS
 DSLSIGNGDNSQIISNSDTPSPPPGLSKSNPVIPISSSNHSARSPFEGAVTESQSLFSDNFRHPNPIPSPG
 LPPFPSSPQTSSDWPTAPEPQSLFTSETIPVSSSTDWQAAFQFGSSKQPEDDLGDFDPFVTRKALADLIE
 KELSVQDQPSLSPTSLQNSSSHTTTAKGPGSGFLHPAAATNANSLNSTFVLPQRFQFQHRVAVNSFS
 FPGQAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPVAGEEEVKVSTMPLSTSSH
 LQQGQQPTSLHTTVA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001190848

ORF Size: 1725 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).

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_001190848.1](#), [NP_001177777.1](#)

RefSeq Size: 3783 bp

RefSeq ORF: 1728 bp

Locus ID: 4850

UniProt ID: [O95628](#)

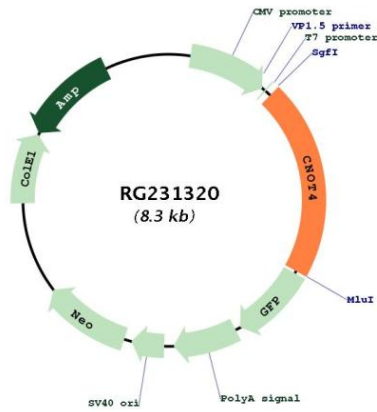
Cytogenetics: 7q33

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: RNA degradation

Gene Summary: The protein encoded by this gene is a subunit of the CCR4-NOT complex, a global transcriptional regulator. The encoded protein interacts with CNOT1 and has E3 ubiquitin ligase activity. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]

Product images:



Circular map for RG231320