

Product datasheet for **RG231387**

CNOT4 (NM_001190849) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT4 (NM_001190849) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG231387 representing NM_001190849
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCGCAGTCTGATGCGAAGGAAGACCCTGTGGAGTGCCCTCTTTCATGGAGCCCTTGGAGATAG
 ATGATATCAACTTTTCCCTTGCACCTGTGGCTACCAGATTTGCCGATTTTGTGGCATCGAATTCGCAC
 TGATGAAAATGGCTTTGTCTGATGTAGAAAGCCATATCCAGAAGACCCAGCAGTTTATAAAACCACTC
 TCCCAGGAAGAGCTGCAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAGAGAAAACAGAAAATAT
 CAGAAAATCGCAAACATTTGGCTAGTGTACGTGTCGTACAAAAAACCTCGTCTTTGTTGTAGTTTATC
 TCAGCGCTAGCAGACCCAGAGGTTTTAAAACGACCAGAATATTTTGGGAAGTTTGGTAAAATACATAAA
 GTTGTCAATAAATAGCACATCATATGCAGGCTCACAGGGTCCAAGTCCAGTGCTTATGTAACCTATA
 TCCGGTCAGAAGACGCTCTCAGAGCCATACAGTGTGTCAACAATGTGGTAGTAGATGGCAGAACACTTAA
 GGCATCTCTAGGTACAACAAAATACTGCAGTACTTCTTAAAGAATATGCAGTGTCCAAAACCTGACTGC
 ATGTATCTTCATGAATTTGGGGATGAGGCGGCCAGCTTACAAAAGAGGAAATGCAGGCGGGTAAACACC
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 AGTATAGGGAACGGTGATAATCCCAGCAGATATCAACAGTGATACGCCTTCACCACCCTGGTTTGT
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 TTCCCCAGCTCCCACAGACATCCAGTACTGGCTACAGCACCAGAACCACAGAGCCTTTCACATCAG
 AAACAATCCCAGTATCATCTCTACAGACTGGCAAGCAGCTTTTGGCTTTGGTTCTTAACAACCCAGA
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 CAGGCAGCCCGCTATCCTTGGATGGCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC
 CCACCTCAATAGTAATTTCTTGGACTTGAATCTCCCGCCACAGCACAACACAGGCTGGGAGGGATCCC
 TGTAGCAGACAACAGCAGTTCTGTAGAGAGTTAAATATGAAGGAATGGCAGGACGGGCTAAGGGCACTT
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 CACCAACGTCCAACACTGCCACCACCGACAGCCTGAGTTGGGACAGCCCTGGCAGCTGGACAGCCACGC
 CATCATCACAGGTATCCAGCGTCTTCAGGAAACAGTTTACTCTCTTCAAGATGACAATCCTCCACAC
 TGGCTAAAATCCCTTCAGGCCCTCACAGAGATGGACGGCCCCAGCGCTGCTCCATCACAGACCCACCACA
 GCGCCCCCTTCAGCACACAGATCCCGCTGCACAGAGCCAGTTGGAATCCCTACCTCCTCCTTCAAACCC
 TTCCAGCTTCCACTCCCCACCCCGAGCTTTCAGACAGCCTTCAGACCCCCAGCAAAACCCCCACAGAT
 TTACTACAGAGTTCAACTGGACCGCCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231387 representing NM_001190849
 Red=Cloning site Green=Tags(s)

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MSRSPDAKEDPVECPLCMEPLEIDDIINFFPCTCGYQICRFCWHIRTDENGLCPACRKPYPEDPAVYKPL
SQEELQRINKNEKKQKQNERKQKISENRKHLASVRVVQKNLVFVVLGSQRLADPEVLKRPEYFGKFGKIHK
VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPCD
MYLHELGDDEAASFKEEMQAGKHQEYEQKLLQELYKLNPNFLQLSTGSDKNKNKVTPLQSPIDKPSDSL
SIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSSNHSARSPFEGAVTESQSLFSDNFRHPNPIPSGLPP
FPSSPQTSSDWPTAPEPQSLFTSETIPVSSSTDWQAAFGFGSSKQPEDDLGDFDPDVTRKALADLIEKEL
SVQDQPSLSPTSLQNSSSHTTTAKGPGSGFLHPAAATNANSLNSTFSVLPRFPQFQQHRAVYNSFSFPG
QAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPVADNSSSVESLNMKEWQDGLRAL
LPNININFGGLPNSSSPSNANHSAPTSNTATTDLSWDSPGSWTDPAAITGIPASSGNSLDLQDDNPPH
WLKSLQALTEMDGPSAAPSQTHHSAPFSTQIPLHRASWNPYPPPSNPSSFHSPPPGFQTAFRPPSKTPTD
LLQSSTLDRH
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190849

ORF Size: 2130 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_001190849.2](#)

RefSeq Size: 3554 bp

RefSeq ORF: 2133 bp

Locus ID: 4850

UniProt ID: [O95628](#)

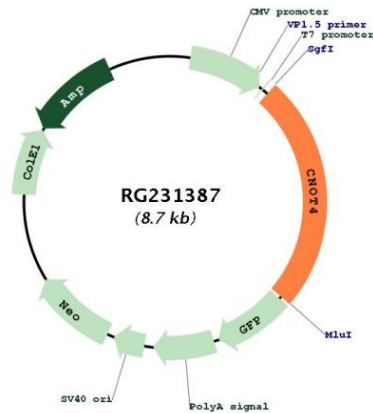
Cytogenetics: 7q33

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 RG231387