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Product datasheet for RC231387

CNOT4 (NM_001190849) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT4 (NM_001190849) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNOT4
Synonyms:	CLONE243; NOT4; NOT4H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC231387 representing NM_001190849
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCGCAGTCCTGATGCGAAGGAAGACCCTGTGGAGTGCCCTCTTTGCATGGAGCCCTTGGAGATAG
ATGATATCAACTTTTTCCCTTGCACCTGTGGCTACCAGATTTGCCGATTTTGTTGGCATCGAATTCGCAC
TGATGAAAATGGGCTTTGTCCTGCATGTAGAAAGCCATATCCAGAAGACCCAGCAGTTTATAAACCACTC
TCCCAGGAAGAGCTGCAAAGGATAAAGAATGAGAAAAAACAGAAACAAAATGAGAGAAAACAGAAAATAT
CAGAAAATCGCAAACATTTGGCTAGTGTACGTGTCGTACAAAAAAACCTCGTCTTTGTTGTAGGTTTATC
TCAGCGCCTAGCAGACCCAGAGGTTTTAAAACGACCAGAATATTTTGGGAAGTTTGGTAAAATACATAAA
GTTGTCATCAATAATAGCACATCATATGCAGGCTCACAGGGTCCAAGTGCCAGTGCTTATGTAACCTATA
TCCGGTCAGAAGACGCTCTCAGAGCCATACAGTGTGTCAACAATGTGGTAGTAGATGGCAGAACACTTAA
GGCATCTCTAGGTACAACAAAATACTGCAGTTACTTCTTAAAGAATATGCAGTGTCCAAAACCTGACTGC
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AACAGAGTCACAGTCGTTATTCTCAGACAATTTTCGCCATCCCAACCCTATCCCAAGTGGGCTTCCTCCT
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AAACAATCCCAGTATCATCCTCTACAGACTGGCAAGCAGCTTTTGGCTTTGGTTCTTCTAAACAACCAGA
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CAGGCAGCCCGCTATCCTTGGATGGCCTTTCCACGCAATAGCATCATGCACTTGAACCACACAGCAAACC
CCACCTCAAATAGTAATTTCTTGGACTTGAATCTCCCGCCACAGCACAACACAGGTCTGGGAGGGATCCC
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CTACCCAACATTAACATCAACTTTGGTGGACTGCCCAATTCTTCTTCCCCCTCCAACGCCAACCACAGTG
CACCAACGTCCAACACTGCCACCACCGACAGCCTGAGTTGGGACAGCCCTGGCAGCTGGACAGACCCAGC
CATCATCACAGGTATTCCAGCGTCTTCAGGAAACAGTTTAGACTCTCTTCAAGATGACAATCCTCCACAC
TGGCTAAAATCCCTTCAGGCCCTCACAGAGATGGACGGCCCCAGCGCTGCTCCATCACAGACCCACCACA
GCGCCCCCTTCAGCACACAGATCCCGCTGCACAGAGCCAGTTGGAATCCCTACCCTCCTCCTTCAAACCC
TTCCAGCTTCCACTCCCCACCCCCAGGCTTTCAGACAGCCTTCAGACCCCCCAGCAAAACCCCCACAGAT
TTACTACAGAGTTCAACACTGGACCGCCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231387 representing NM_001190849
Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECPLCMEPLEIDDINFFPCTCGYQICRFCWHRIRTDENGLCPACRKPYPEDPAVYKPL
SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVQKNLVFVVGLSQRLADPEVLKRPEYFGKFGKIHK
VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPDC
MYLHELGDEAASFTKEEMQAGKHQEYEQKLLQELYKLNPNFLQLSTGSVDKNKNKVTPLQSPIDKPSDSL
SIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSSNHSARSPFEGAVTESQSLFSDNFRHPNPIPSGLPP
FPSSPQTSSDWPTAPEPQSLFTSETIPVSSSTDWQAAFGFGSSKQPEDDLGFDPFDVTRKALADLIEKEL
SVQDQPSLSPTSLQNSSSHTTTAKGPGSGFLHPAAATNANSLNSTFSVLPQRFPQFQQHRAVYNSFSFPG
QAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPPQHNTGLGGIPVADNSSSVESLNMKEWQDGLRAL
LPNININFGGLPNSSSPSNANHSAPTSNTATTDSLSWDSPGSWTDPAIITGIPASSGNSLDSLQDDNPPH
WLKSLQALTEMDGPSAAPSQTHHSAPFSTQIPLHRASWNPYPPPSNPSSFHSPPPGFQTAFRPPSKTPTD
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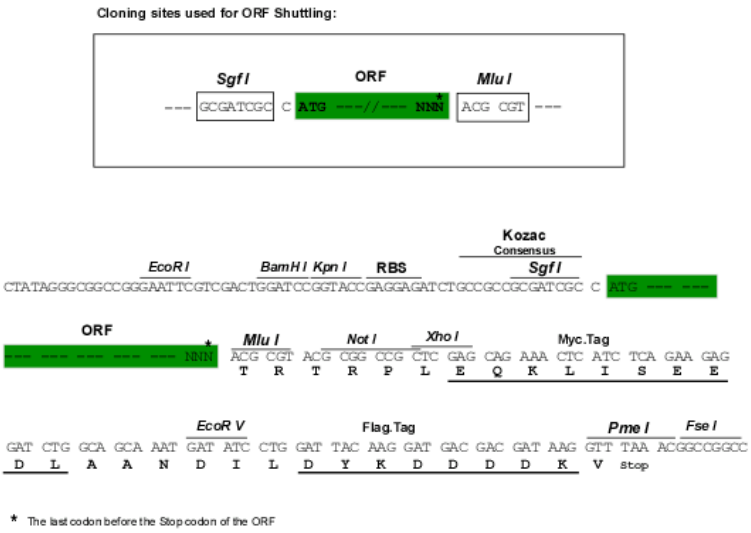
Restriction Sites: SgfI-MluI

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 ORF: 2133 bp

Locus ID: 4850

UniProt ID: O95628

Cytogenetics: 7q33

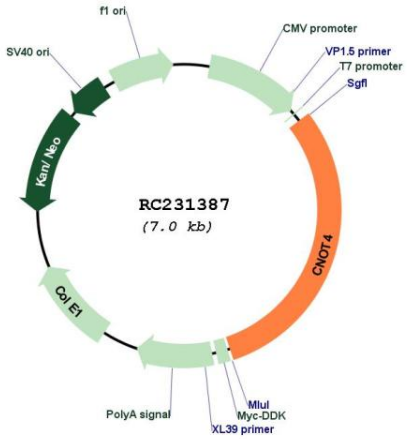
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: RNA degradation

MW: 78.3 kDa

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 RC231387