

Product datasheet for **RC232950**

CNOT2 (NM_001199302) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT2 (NM_001199302) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNOT2
Synonyms:	CDC36; HSPC131; IDNADFS; NOT2; NOT2H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC232950 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAGGACTGATGGACATACATTATCTGAGAAAAGAACTACCAGGTGACAAACAGCATGTTTGGTG
 CTTCAAGAAAGAAGTTTGTAGAGGGGTCGACAGTACTACCATGACGAAAACATGACTACAGCCAGTC
 TTCTATGTTTCCACATCGGTGAGAAAAGATATGCTGGCATCACCATCTACATCAGGTGAGTCTGCTCAG
 TTTGGGGCAAGTTTATACGGGCAACAAAGTGCCTAGGCCTTCCAATGAGGGGGATGAGCAACAATACCC
 CTCAGTTAAATCGCAGCTTATCACAAGGCACTCAGTTACCGAGCCACGTACGCCAACACAGGGGTACC
 AACATGTCACCTCACACGCCTCCATCTCCAAGCAGGGGTATTTTGCCTATGAATCTAGGAATATGATG
 AACCACTCCCAGGTTGGTCAGGGCATTGGAATTCCTAGCAGGACAAATAGCATGAGCAGTTCAGGGTTAG
 GTAGCCCCAACAGAAGCTCGCCAAGCATAATATGTATGCCAAAGCAGCAGCCTTCTCGACAGCCTTTTAC
 TGTGAACAGTATGTCTGGATTTGGAATGAACAGGAATCAGGCATTTGGAATGAATAACTCCTTATCAAGT
 AACATTTTAAATGGAACAGACGGAAGTGAAATGTGACAGGATTGGACCTTTCCAGATTTCCAGCATTAG
 CAGACCGAAACAGGAGGGAAGGTAACCCAACCTCATTAAATAAACCCCTTGGCTGGAAGAGCTCC
 TTATGTTGGAATGGTAACAAAACAGCAAAATGAACAATCCAGGACTTCTCAATACACAATGAAGATTTT
 CCAGCATTACCAGGCTCCAGCTATAAGATCCAACATCAAGTAATGATGACAGTAAATCTAATTTGAATA
 CATCTGGCAAGACAACCTCAAGTACAGATGGACCCAAATCCCTGGAGATAAAAGTTCAACAACAAAA
 TAATAACCAGCAGAAAAAAGGGATCCAGGTGTACCTGATGGTCGGGTTACTAACATTCCTCAAGGGATG
 GTGACGGACCAATTTGGAATGATTGGCCTGTTAACATTTATCAGGGCAGCAGAGACAGCCAGGAATGG
 TACATCTTGCAATTAGGAAGTGACTTAACAACATTAGGCCTCAATCTGAACTCTCCTGAAAATCTTACCC
 CAAATTTGCGTACCCTGGGCATCTTACCTTGTGACCTCAAGACATAGACTTCCATGTTCCATCTGAG
 TACTTAACGAACATTCACATTAGGGATAAGCTGGCTGCAATAAACTTGGCCGATATGGTGAAGACCTTC
 TCTTCTATCTCTATTACATGAATGGAGGAGACGTATTACAACCTTTAGCTGCAGTGGAGCTTTTTAACCG
 TGATTGGAGATACCACAAAGAAGACGAGTATGGATTACCAGGGCACCAGGCATGGAGCCAACAATGAAA
 ACCAATACCTATGAGAGGGGAACATATTACTTCTTTGACTGTCTTAAGTGGAGGAAAGTAGCTAAGGAGT
 TCCATCTGGAATATGACAAATTAGAAGAACGGCCTCACCTGCCATCCACCTTCAACTACAACCTGCTCA
 GCAAGCCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232950 protein sequence
 Red=Cloning site Green=Tags(s)

MVRTDGHTLSEKRYQVTNSMFGASRKKFVEGVSDYHDENMYYSQSSMFPHRSEKMDLASPSTSGQLSQ
 FGASLYGQQSALGLPMRGMSNTPQLNRSLSQGTQLPSHVTPPTGVPTMSLHTPPSPSRGILPMNPRNMM
 NHSQVGGIGIPSRNMSSSGLGSPNRSSPSIICMPKQQPSRQPFTVNSMSGFGMNRNQAFGMNNSLSS
 NIFNGTDGSENVTLGLDLSDFPALADNRNREGSGNPTPLINPLAGRAPYVGMVTKPANEQSQDFSIHNEDF
 PALPGSSYKDPTSSNDDSKSNLNTSGKTTSSTDGPKFPGDKSSTQNNNQKKGIVLPDGRVTNIPQGM
 VTDQFGMIGLLTFIRAAETDPGMVHLALGSDLTTLGLNLNSPENLYPKFASPWASSPCRQDIDFHVPSE
 YLTNIHIRDKLAAIKLGRYGEDLLFYLYMNGGDVLLAABELFNRDWRVYHKEERWITRAPGMEPTMK
 TNYERGTYYFFDCLNWRKVAKEFHLEYDKLEERPHLPSTFNYPNAQQAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6432_c12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001199302

ORF Size: 1621 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_001199302.1](#), [NP_001186231.1](#)

RefSeq Size: 3162 bp

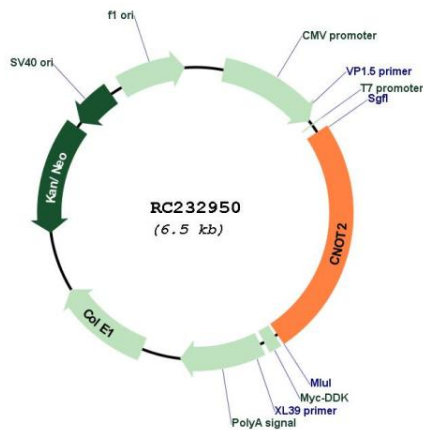
RefSeq ORF: 1623 bp

Locus ID: 4848

UniProt ID: [Q9NZN8](#)

Cytogenetics:	12q15
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
MW:	59.7 kDa
Gene Summary:	This gene encodes a subunit of the multi-component CCR4-NOT complex. The CCR4-NOT complex regulates mRNA synthesis and degradation and is also thought to be involved in mRNA splicing, transport and localization. The encoded protein interacts with histone deacetylases and functions as a repressor of polymerase II transcription. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RC232950