

Product datasheet for **RG238889**

CNOT6 (NM_001303241) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT6 (NM_001303241) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CNOT6
Synonyms:	CCR4; Ccr4a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238889 representing NM_001303241.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCAAAGAAAAATACGAGCCCCCTGACCCTCGGAGGATGTATACAATTATGTCTTCTGAGGAAGCA
GCAAATGGAAAGAAATCCCACTGGGCAGAGCTTAAAATAAGTGGAAAAGTAAGAAGCTTAAGCGCATCT
TTGTGGTCACTAACTCACCTGACAGCTTTGCATTTGAGTGACAATCCCTGTCCCGAATTCCTTCAGAC
ATTGCCAAGCTTACAATCTGGTATTTGGACCTGTCATCTAATAAAAATTCGTAGCTTACCCGAGAA
CTCGGAAACATGGTATCACTCAGGGAGCTCCATTTAAATAACAACCTGTTACGAGTTCTACCTTTTGAG
CTGGGAAAACCTGTTTCAGTTGCAGACTTTAGGCCTGAAAGGAAATCCCTTACCCAGGATATATTGAAC
CTTTATCAGGAACCAGATGGAACAAGACGGCTGCTGAACATTTGCTTGATAATTTGTCAGTACTGCA
AAAAGAATTACAACAGAACAACCACCTCCAAGGCTTGGATTATGTTACAAGAACCAGATAGGACAAGG
CCAACCTGCCTGTTTTCTGTCATGTGCTATAATGTTCTTTGTGATAAATATGCGACCCGGCAGTTATAC
GGCTACTGTCCATCATGGGCGCTAAACTGGGACTACAGGAAAAAGGCCATTATTCAGAAATCTTGAGC
TGCAATGCTGATATCGTAAGTCTTCAGGAGGTTGAAACGGAACAGTATTACAGTTTTTTCTGGTAGAG
CTGAAAGAACGTGGCTATAATGGATTCTTCAGTCTAAGTCTAGAGCTAGGACAATGTCAGAAACAAGAA
AGGAAACATGTTGATGGCTGTGCAATATCTTCAAGACAGAAAAATTTACTTTGGTTTCAGAAACACACT
GTTGAATTTAATCAGCTAGCCATGGCAAATTCAGGGGTCTGAAGCTATGCTGAACAGAGTCATGACA
AAAGATAACATTGGGGTTCAGTACTGCTAGAACTTCGGAAGGAATCGATTGAAATGCCGTCCGGAAG
CCACATCTTGAACAGAAAAACAACCTATTCTTGTGGCTAACGCCACATGCATTGGGACCTGAATAC
TCTGATGTGAAGTTGGTACAACCTATGATGTTCTCTCAGAAGTGAAGAACATTATTGATAAAGCCTCT
CGCAACCTCAAATCCAGTGTTTTGGGAGAAATTTGGAACCTTCCACTTGTGTTATGTGCAGATCTAAT
TCTTTGCCAGACTCTGGTGTGTAAGTATTTGAGCACAGGTGGAGTAGAAACAAATCACAAAGACTTT
AAGGAGTTGAGGTATAATGAAAGTCTCACAACCTCAGCTGTCATGGGAAGAATGGAACCAATGGA
AGGATCACTCATGGTTTCAAGTTACAGAGTGCCTATGAGAGTGGCCTGATGCCTTACACGAATTACACA
TTTGATTTCAAGGTATAATAGACTACATTTTCTATTCTAAACCTCAGCTGAACACCTTAGGCATCTG
GGCCCTCTGGACCACCTGGCTGGTTGAGAATAACATCAGTGGCTGCCCGACCCCTCATCCCCTCT
GACCCTTCTCACTTTTGCACAACCTGGAGCTTACTGCCTTCTGCCCAAGTCAACGGCATCCAC
CTTCTGGCAGGAGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238889
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MPKEKYEPDPRRMYTIMSSEEAANGKKSHPWAELEISGKVRSLASLWSLTHLTLHLSDNSLRIPSD
IAKLHNLVYLDLSSNKIRSLPAELGNMVSRLRELHLNNLLRVLPFELGKLFQLQLGLKGNPLTQDILN
LYQEPDGTRRLLNYLLDNLSGTAKRITTEQPPRSWIMLQEPDRTRPTALFVSMCYNVLCCKYATRQLY
GYCPSWALNWDYRKKAIIEILSCNADIVSLQEVETEYYSFFLVELKERYNGFFSPKSRARTMSEQE
RKHVDGCAIFFKTEKFTLVQKHTVEFNQLAMANSEGSEAMLNRVMTKDNIGVAVLLELRKESIEMPSGK
PHLGTEKQLILVANAHMHWDPYSDVKLVQTMFLSEVKNIIDKASRNKSSVLGEFGTIPLVLCADLN
SLPDSGVVEYLSGGVETNHKDFKELRYNESLTFNSCHGKNGTTNGRITHGFKLQSAYESGLMPYNTYT
FDFKGIIDYIFYSKPNLTLGILGPLDHHWLVENNISGCPHPLIPSDHFSLFAQLELLLPFPQVNGIH
LPGRR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMFKSAIHPHILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001303241

ORF Size: 1671 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).

RefSeq: [NM_001303241.2](#)

RefSeq Size: 6347 bp

RefSeq ORF: 1674 bp

Locus ID: 57472

Cytogenetics: 5q35.3

Protein Families: Transcription Factors

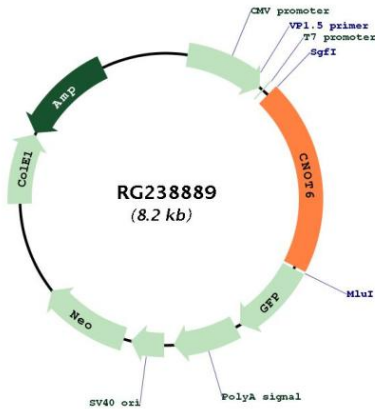
Protein Pathways: RNA degradation

MW: 63.8 kDa

Gene Summary:

This gene encodes the catalytic component of the CCR4-NOT core transcriptional regulation complex. The encoded protein has a 3'-5' RNase activity and prefers polyadenylated substrates. The CCR4-NOT complex plays a role in many cellular processes, including miRNA-mediated repression, mRNA degradation, and transcriptional regulation. [provided by RefSeq, Dec 2014]

Product images:



Circular map for RG238889