

Product datasheet for **RG209407**

C2ORF29 (CNOT11) (NM_017546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2ORF29 (CNOT11) (NM_017546) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C2ORF29
Synonyms:	C2orf29; C40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209407 representing NM_017546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCCCGCGGAGGGGCGAGCGCGGCTCTGCCGGCTTCTACCGCGCGGAGCAAAGAGGGTCCCGGG
 AAGCGGCAGGGTCGGCGTCCAGGAGCGGCTTCGGGGGCTCCGGCGCGGCAGAGGCGGAGCAAGCGGCC
 CGGGTCCGGGAGCGAGGCCCTGGGGGCCCCGCGGCAGGATGAGCTTGACCCGAAGGAGCTCTCGAGC
 CTGCTGAGCATCATATCGGAGGAGGCGGCGGCGGCAGCACCTTCGAGGGCCTGTCCACCGCCTTCACCC
 ACTACTTCAGCAAGGCCGACCACTTCGGCTGGGCTCGGTGCTCGTCATGCTGCTCCAGCAGCCGACCT
 GCTGCCTAGCGCGGCGCAGCGCCTCACGGCGCTCTACCTGCTCTGGGAGATGTACCGCACCGAGCCGCTG
 GCCGCCAACCCCTTCGCCGCCAGCTTCGCGCACCTGCTCAACCCCGCGCCGCCGCCCGCGGCGGCCAGG
 AACCCGACCGCCCTCCGCTCTCAGGATTTTACCTCCTATAACTCCACCAGAAAAGTTTTTCTTTCCCA
 GCTGATGCTGGCACCCACGGGAATCTTCAAAAAGACGCTCGCCAGATTGCACTGATGGACGTTGGA
 AACATGGGCCAGTCTGTGGACATTAGTGGGCTTCAATTAGCCTTGCCGAACGCCAATCTGAATTGCCAA
 CGCAAAGCAAAGCGAGCTTCCCCAGTATTCTCAGTGACCCAGACCCGATTCTTCTAATTCTGGATTGA
 CAGCTCAGTTGCCTCTCAGATCACAGAAGCTTTAGTCAGCGGACCAAAGCCACCTATTGAAAGCCATTTT
 CGACCAGAGTTTATTCGTCCACCGCCTCCACTCCACATTTGTGAGGATGAACCTTGCTTGGCTAAACCCCA
 CGGAGCCTGACCACGCGATCCAGTGGGATAAATCGATGTGTGTTAAGAATAGCACTGGTGTGGAGATCAA
 ACGAATAATGGCCAAAGCCTTCAAAAGCCCTTATCCTCTCCCAACAAACACAGCTACTTGGTGAGTTG
 GAAAAAGACCCCAAACTTGTCTACCATATTGGCCTCACCCAGCCAACTTCTGACCTTGTGAAAAACA
 ACCCTTTAGTCGCTATAGAAATGTTGCTGAAATTAATGCAGTCAAGCCAGATCACTGAGTATTTCTCTGT
 CCTGGTCAATATGGACATGTCTTTACATTCAATGGAAGTTGTAATCGACTAACTACAGCTGTTGATCTA
 CCTCTGAATTTTACCTTTATATATCAAAATGCATCTCTACTTGTGAACAGATTAAGGATAAATATA
 TGCAGAATCGGTTGGTGCCTTGTGTGTGTGTTTCTCCAATCCTTGATCCGTAACAAAATTATTAATGT
 ACAGGATTTGTTTATAGAAGTGCAGGCATTCTGTATTGAATTCAGTAGGATACGAGAAGCTGCTGCTCTT
 TTCGGTTGTTGAAGACATTGGATACTGGGGAACACCTTCTGAGACCGAAATGTCAAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209407 representing NM_017546
 Red=Cloning site Green=Tags(s)

MPGGGASAAAGRLLTAAEQRSREAAGSASRSRGFGSGGGRGGASGPGSGSGGPGGPAGRMSLTPKELSS
 LLSIIIEEAGGGSTFEGLSTAFHHYFSKADHFRLGSLVMLLQQPDLLPSAAQRLTALYLLWEMYRTEPL
 AANPFAASFALLNPPARGGQEPDRPPLSGFLPPIPPPEKFFLSQLMLAPPRELFKKTPRQIALMDVG
 NMQSVDISGLQALAEQSELPTQSKASFPSILSDPDSDSSNSGFDSSVASQITEALVSGPKPIESHF
 RPEFIRPPPLHICEDELAWLNPTEPDHAIQWDKSMCVKNSTGVEIKRIMAKAFKSPLSSPQQTQLLGEL
 EKDPKLVYHIGLTPAKLPDLVENNPLVAIEMLLKLMQSSQITEYFSLVNMDMSLHSMVVNRLTTAVDL
 PPEFIHLYISNCISTCEQIKDKYMQNRLVRLVCVFLQSLIRNKIINVQDLFIEVQAFCIERSIREAAGL
 FRLLKTLDTGETPSETEMSK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

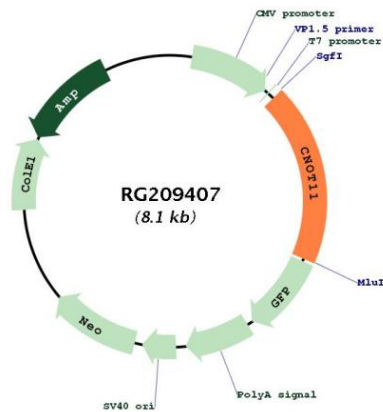

ACCN:	NM_017546
ORF Size:	1530 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_017546.3 , NP_060016.2
RefSeq Size:	2590 bp
RefSeq ORF:	1533 bp
Locus ID:	55571

UniProt ID: [Q9UKZ1](#)

Cytogenetics: 2q11.2

Gene Summary: Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Is required for the association of CNOT10 with the CCR4-NOT complex. Seems not to be required for complex deadenylase function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209407