

Product datasheet for **RG219771**

CNOT6 (NM_015455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT6 (NM_015455) 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:

>RG219771 representing NM_015455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAAAGAAAAATACGAGCCCCTGACCCCTCGGAGGATGTATACAATTATGTCTTCTGAGGAAGCAG
 CAAATGGAAGAAAATCCCACTGGGCAGAGCTTGAATAAGTGGAAGAAAGTAAGAAGCTTAAGCGCATCTTT
 GTGGTCACTAACTCACCTGACAGCTTTGCATTTGAGTGACAATCCCTGTCCCGAATTCCTTCAGACATT
 GCCAAGCTTCACAATCTGGTGTATTTGGACCTGTCATCTAATAAAAATTCGTAGCTTACCCGAGAAGCTCG
 GAAACATGGTATCACTCAGGGAGCTCCATTTAAATAACAACCTGTTACGAGTTCTACCTTTTGGCTGGG
 AAAACTGTTTCAGTTGCAGACTTTAGGCCTGAAAGGAAAATCCCTTACCCAGGATATATTGAACCTTTAT
 CAGGAACCAGATGGAACAAGACGGCTGCTGAACATTTTGTGTTGATAATTTGTCAGGACTGCAAAAAGAA
 TTACAACAGAACAACCACCTCCAAGTCTTGGATTATGTTACAAGAACCAGATAGGACAAGGCCAACTGC
 CTTGTTTTCTGTCATGTCTATAATGTTCTTTGTGATAAATATGCGACCCGGCAGTTATACGGCTACTGT
 CCATCATGGGCGCTAAACTGGGACTACAGGAAAAGGCCATTATTCAGAAGAACTTTGAGCTGCAATGCTG
 ATATCGTAAGTCTTCAGGAGGTTGAAACGGAACAGTATTACAGTTTTTTCTGGTAGAGCTGAAAGAACG
 TGGCTATAATGGATTCTTCAGTCCCTAAGCTAGAGCTAGGACAATGTCAGAAACAAGAAAGGAAACATGTT
 GATGGCTGTGCAATATTCTTCAAGACAGAAAAATTTACTTTGGTTTCAGAAACACACTGTTGAATTTAATC
 AGCTAGCCATGGCAAATCTGAGGGGTCTGAAGCTATGCTGAACAGAGTCATGACAAAAGATAACATTGG
 GGTTGCAGTACTGCTAGAATTCGGAAGGAATCGATTGAAATGCCGTCTGGAAAGCCACATCTTGGAAACA
 GAAAAACAACCTATTCTTGTGGCTAACGCCACATGCATTGGGACCCTGAATACTCTGATGTGAAGTTGG
 TACAAACTATGATGTTCCCTCTCAGAAGTGAAGAACATTATTGATAAAGCCTCTCGCAACCTCAAATCCAG
 TGTTTTGGGAGAATTTGGAATTTCCACTTTGTGTTATGTGCAGATCTTAATCTTTGCCAGACTCTGGT
 GTTGTAGAATATTTGAGCACAGGTGGAGTAGAAAACAAATCACAAAGACTTTAAGGAGTTGAGGTATAATG
 AAAGTCTCACAACTTCAGCTGTCATGGGAAGAAATGGAACCACCAATGGAAGGATCACTCATGGTTTCAA
 GTTACAGAGTGCCTATGAGAGTGGCCTGATGCCTTACACGAATTACACATTTGATTTCAAGGGTATAATA
 GACTACATTTTCTATTCTAAACCTCAGCTGAACACCTTAGGCATCCTGGGCCCTCTGGACCACCACTGGC
 TGGTTGAGAATAACATCAGTGGCTGCCCGACCCCTCATCCCTCTGACCCTTCTCACTTTTTGCACA
 ACTGGAGCTCTTACTGCCTTTCTGCCCAAGTCAACGGCATCCACCTTCTGCGCAGGAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG219771 representing NM_015455
 Red=Cloning site Green=Tags(s)

MPKEKYEPPDPRRMYTIMSSEEAANGKKS HWAELEISGKVRSLSASLWSLTHLTALHLSDNSLSRIPSDI
 AKLHNLVYLDLSSNKIRSLPAELGNMVSLRELHLNNNLLRVLPFELGKLFQLQTLGLKGNPLTQDILNLY
 QEPDGTRRLNLYLLDNLSGTAKRITTEQPPRSWIMLQEPDRTRPTALFSVMCYNVLC DKYATRQLYGYC
 PSWALNWDYRKKAI IQEILSCNADIVSLQEVETE QYYSFFLVELKERGYNGFFSPKSRARTMSEQERKHV
 DGCAIFFKTEKFTLVQKHTVEFNQLAMANSEGSEAMLNRVMTKDNIGVAVLLELRKESIEMPSGKPHLGT
 EKQLILVANAHMHWDP EYSDVKLVQTMFLSEVKNIIDKASRNKSSVLGEFGTIPLVLCADLNSLPDSG
 VVEYLSTGGVETNHKDFKELRYNESL TNFSCHGKNGTTNGRITHGFKLQ SAYESGLMPYNTYTFDFKGI I
 DYIFYSKPQLNTLGILGPLDHHWLVENNI SGCPHPLIPSDHFSLFAQLELLL PFLPQVNGIHLPGRR

TRTRPLE – GFP Tag – V

Restriction Sites:

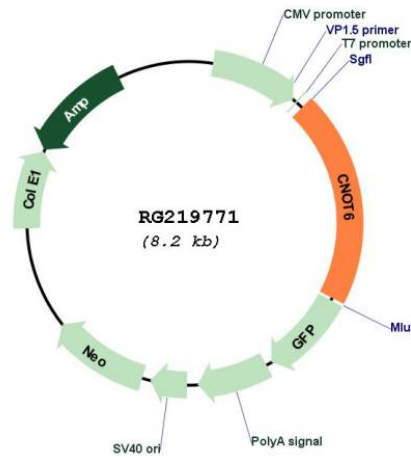
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_015455
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).
Reconstitution Method:	<ol style="list-style-type: none">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_015455.3 , NP_056270.2
RefSeq Size:	6178 bp
RefSeq ORF:	1674 bp
Locus ID:	57472
Cytogenetics:	5q35.3
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
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]