

Product datasheet for **SC122815**

CCR4 NOT transcription complex subunit 3 (CNOT3) (NM_014516) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR4 NOT transcription complex subunit 3 (CNOT3) (NM_014516) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR4 NOT transcription complex subunit 3
Synonyms:	IDDSADF; LENG2; NOT3; NOT3H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_014516 edited
 GGACCGGGCCCGTCCAGCTTCCGCGGAGCCATTGGCAGACGCCGTGGCCTCCCTTGAGCC
 CCGACCCCGTCTCAGAACAAACCCGGGCCACTCCCCAACCCACTTCCGCTTCGCG
 CCGCTATCGCGATAGCGCCCGGGCCCGGGCGCGAGAAAAAGCGGGCGGCGCTCGCCTC
 CCCCCTGTTCGCGATACGCTCCTCAGCGGCGGCCAGCTCCTGTGCGTCCGTCTCAA
 GAGAGTGAAGAGAGTGCCTCTGTAGGGCAGGGAAGATGGCGGACAAGCGCAAATCCA
 AGGTGAGATTGATCGCTGCCTCAAGAAGTGTCCGAGGGCGTGGACAGTTTGAAGATAT
 TTGGCAGAAGCTCCACAATGCAGCCAACGCGAACCCAGAAAAGAAAAGTATGAGGCTGACCT
 AAAGAAGGAGATTAAGAAGCTACAACGGCTGAGGGACCAATCAAGACATGGGTAGCGTC
 CAACGAGATCAAGGACAAGAGGCAGCTTATAGACAACCGCAAGCTCATTGAGACGCAAAT
 GGAACGGTTCAAAGTTGTGGAACGAGAGACCAAAACCAAGCTTACAGCAAAGAGGGCT
 GGGCTGGCCAGAAAGTAGATCCTGCCAGAAGGAGAAGGAAGAGGTTGGCCAGTGGCT
 CACGAATACCATCGACACGCTCAACATGCAGGTGGACCAGTTTGGAGTGAAGTGGAGTC
 ACTGTCAGTGCAGACACGCAAGAAGAAGGGCGACAAGGATAAGCAGGACCGGATTGAGGG
 CTTGAAGCGGCACATCGAGAAGCACCGCTACCACGTGCGCATGCTAGAGACCATCCTGCG
 CATGCTGGACAATGACTCCATCCTCGTTGACGCCATCCGCAAGATCAAGGACGACGTTGA
 GTACTATGTTGACTCATCCAGGACCCGACTTCGAGGAGAACGAGTTTCTCTACGATGA
 CCTGGACCTCGAGGACATTCCACAGGCGCTGGTCGCCACCTCCCCCCCAGCCACAGCCA
 CATGGAGGATGAGATCTTCAACAGTCCAGCAGCACGCCACCTCAACCCTCCAGCTC
 TCCCATCCCGCCAGCCAGCCAAGTGTACCACGGAAAACCTCTGAAGATGATAAGAAGAG
 GGGAGTTCCACAGACAGTGAAGTACAGCAGTCTCCAGCCAAAACGGCTCCAAGCCTGT
 CCACAGCAACAGCACCTCAGTCCCAGCTGTGCCGCCACCTACCCCTCCGGCCCCC
 GCCTGTGCCTCTGCCTTGAGCACCACTCCTGGCAACAATGGGGTCCCCGCCCCCCGAGC
 ACCCCCAAGTGCCCTGGGCCCAAGGCCAGTCCAGCTCCAGCCACAACCTCGGGCACCC
 TGCTCCCTATGCCAGGCGGTGGCCCCACCAGCTCCCAGTGGGCCAGCAGACCCAGCC
 CCGGCCCCAGCGTCCAGCCTAGCGGAGGCGGAGGCGGCGCAGCGGAGGCGGAGGGAG
 CAGCAGCAGTAGTAACAGCAGTCCCGGTGGAGGGGCTGGCAAGCAGAATGGCGCCACCAG
 TTACAGCTCAGTTGTGGCAGACAGCCCGCAGAGGTGGCTTTGAGCAGCAGTGGGGGCAA
 CAATGCCAGCAGCCAGGCTTGGGCCCCCTTCCGGCCCCACAACCCACCTCCCAGCAC
 CTGAAGGAACCCAGTGCAGCAGCCCCAACGGGGGCTGGGGGCGTGGCCCCAGGCTCAGG
 GAACAACCTCAGGGGACCCAGCCTCCTGGTGCCTGTGAAATCCTCCAGTCCCC
 AACGCCAGCTTCAAGTATGCCAAGGCAGCCGGTGCCTGCTCAATGGGCTCCACAGTT
 CAGCACCCGCCAGAAAATCAAGGCCCTGAGCCTCTGAGCTCCTTGAAGTCCATGGCGGA
 ACGGGCAGCCATCAGCTCTGGCATTGAGGACCCTGTGCCAACGCTGCACCTGACCGAGCG
 AGACATCATCCTGAGCAGTACATCAGCACCTCCGGCTCAGCCAGCCGCCCCCTGAGCT
 GTCAGAGGTGAACATACCGCTGTGCTGGGTGTCTGTCCACTGGGCCCTGTGCCCTCAC
 CAAGGAGCAGCTATCAGCAGGCCATGGAAGAGGCGCCTGGCACCACATGCCTCACCC
 CTCTGACTCTGAGCGTATTCGGCAGTACCTCCCCGGAACCCCTGTCCGACGCCCCCTA
 CCACCACAGATGCCACCCCACTCGGACACTGTGGAATTTACCAGCGCCTGTGCGAC
 CGAGACTCTTCTTCTACTATCTGGAGGGCACTAAGGCACAGTATCTGGCAGC
 CAAGGCCCTAAAGAAGCAGTTCATGGCGATTCCACACCAAGTACATGATGTGGTCCAGAG
 GCACGAGGAGCCCAAGACCATCACTGACGAGTTTGGCAGGGCACCTACATCTACTTTGA
 CTACGAGAAGTGGGGCCAGCGGAAGAAGGAAGGCTTACCTTTGAGTACCGCTACCTGGA
 GGACCGGGACCTCCAGTACACCGGCCCTCCCTTACCACCCCTTCCCTTGCATGC
 TGATCCCCCTGCCAGGTGAGGGCCTGCCCTGGAAGACTGGAGGGAGGCCCAAGCCAC
 GGGGCATCCCCCTCTCCAGGAAGCAGGGAGGGGCGGGAGGTTTTCTCTCAGCCCCA
 CCCTGGGGGCCCGGGGGCAGGGCTGCCCTCCTCCCTCCCAAGTGGAGGACATTTTT
 TGGTAAACCTATTTTCATTTTGGAAAATATTTATGAATAAATAGTTTTATGAAAAAAA
 AAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014516 unedited CGGGTTCCGATTTGTATACGACTCATATAGGCGGCNCGCGATTCCCGGGATATCGTCGAC CCACGCGTCCGGGACCGGGCCCGGTTCAGCTTCCGCGGAGCCATTGGCAGACGCCGTGGCC TCCCTTGAGCCCCGACCCCGTTCGTCAGAACAAACCCGGGCCACTCCCCAACCCCACT TCCGCTTCGCGCCGCTATCGGATAGCGCCCGGGCCGGGGCGCGAGAAAAAGCGGCGG GCGCTCGCCTCCCCGCCTGTCGCGATACGCTCCTCAGCGGCGGGCCAGCTCCTGTGCG TCCGCTCCAAGAGAGTATGAAGAGAGTGCCTGTAGGGCAGGGAAGATGGCGGACAAG CGCAAACCTCCAAGGTGAGATTGATCGCTGCCTCAAGAAGGTGTCCGAGGGCGTGGAGCAG TTTGAAGATATTTGGCAGAAGCTCCACAATGCAGCCAACGCAACCAGAAAAGAAAAGTAT GAGGCTGACCTAAAGAAGGAGATTAAGAAGCTACAACGGCTGAGGGACCAATCAAGACA TGGGTAGCGTCCAACGAGATCAAGGACAAGAGGCAGCTTATAGACCAACCGCAGCTCATT GAGACGCANATGGAACGGTTCANAGTTGTGGAACGAGAGACCAAAACCAAGCTTACAGC ANAGAGGGCTGGCCTGGCCAGAAAGGTAGATCCTGCCAGAAAGGAGAANGAAGAGGTT GGCCAGTGGCTCACGAATACCATCGACACGCTCAACATGCAGGTGGACCAGTTTGAGAGT GAAGTGGAGTCACTGTCAGTGCAGACACGAAGAAGAGGGGCGACAGGGATAGCAGACCC GGATGAGGNCNTTGAGCGCACATCGAGAAGCACGCTACCACGTGCGCATGCTAGAGACAT CCTGCGCATGCTGGAN
Restriction Sites:	Please inquire
ACCN:	NM_014516
Insert Size:	2831 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_014516.2 , NP_055331.1
RefSeq Size:	2855 bp

RefSeq ORF:	2262 bp
Locus ID:	4849
UniProt ID:	<u>O75175</u>
Cytogenetics:	19q13.42
Protein Families:	Transcription Factors
Protein Pathways:	RNA degradation
Gene Summary:	<p>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. May be involved in metabolic regulation; may be involved in recruitment of the CCR4-NOT complex to deadenylation target mRNAs involved in energy metabolism. Involved in mitotic progression and regulation of the spindle assembly checkpoint by regulating the stability of MAD1L1 mRNA. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation; the repressive function may involve histone deacetylases. Involved in the maintenance of embryonic stem (ES) cell identity.[UniProtKB/Swiss-Prot Function]</p>