

Product datasheet for **SC115278**

CNOT4 (NM_013316) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNOT4 (NM_013316) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNOT4
Synonyms:	CLONE243; NOT4; NOT4H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_013316, the custom clone sequence may differ by one or more nucleotides

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ATGTCTCGCAGTCTGATGCGAAGGAAGACCCGTGGAGTGCCCTCTTTCATGGAGCCCTTGGAGATAG
ATGATATCAACTTTTTCCCTTGACCTGTGGCTACCAGATTTGCCGATTTTGTGGCATCGAATTCGCAC
TGATGAAAATGGCTTTTGTCTGCATGTAGAAAGCCATATCCAGAAGACCCAGCAGTTTATAAACCACTC
TCCAGGAAGAGCTGCAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAGAGAAAACAGAAAATAT
CAGAAAATCGCAAACATTTGGCTAGTGTACGTGTGCTACAAAAAACCTCGTCTTTGTTGTAGGTTTATC
TCAGCGCTAGCAGACCCAGAGGTTTTAAAACGACCAGAATATTTTGGGAAGTTTGGTAAAAACATAAA
GTTGTCATCAATAATAGCACATCATATGCAGGCTCACAGGGTCCAAGTGCCAGTGCTTATGTAACCTATA
TCCGGTCAGAAGACGCTCTCAGAGCCATACAGTGTGTCAACAATGTGGTAGTAGTGGCAGAACACTTAA
GGCATCTCTAGGTACAACAAAATACTGCAGTTACTTCTTAAAGAATATGCAGTGTCCAAAACCTGACTGC
ATGTATCTTCATGAATTGGGGGATGAGGCGGCCAGCTTCAAAAAGAGGAAATGCAGGCGGGTAAACACC
AAGAATATGAACAGAAGCTACTTCAAGAATTATATAAATTAATCCCAATTTTCTTCAGTATCTACGGG
TTCAGTTGATAAAAATAAGAACAAAGTGACACCACTGCAGAGCCCATGACAAAACCTTCAGATTCTCTC
AGTATAGGGAACGGTGATAATCCCAGCAGATATCTAACAGTGATACGCCTTCACCACCCTGGTTTGT
CAAAAATCCAATCCAGTCAATCCCATCAGTTCATCCAATCACAGTGCACGGTCCCTTTTGAAGGGGAGT
AACAGAGTCACAGTCGTTATTCTCAGACAAATTTTCGCCATCCCAACCCTATCCCAAGTGGGCTTCTCTCT
TTCCCCAGCTCCCCACAGACATCCAGTACTGGCTACAGCACCAGAACCACAGAGCCTCTTCACATCAG
AAACAATCCAGTATCATCTCTACAGACTGGCAAGCAGCTTTTGGCTTTGGTCTTCTAAACAACCAGA
GGATGACTTGGGTTTTGATCCCTTCGATGTCACCTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAACTG
TCCGTTCAAGACCAACCTCCCTTCGCCACATCTCTTCAGAACTCTCTTCACACACTACAACCGCCA
AAGGTCCAGGCTCTGGATTCTGTCATCTGCTGACAGTACAAATGCCAATTTCTCTCAATAGTACCTTTTC
AGTCTTGGCCAGAGGTTCCCTCAATTTAGCAGCACCAGCGGTTTATAATTATTTCAGTTTTCCAGGC
CAGGCAGCCCGCTATCTTGGATGGCCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC
CCACCTCAAATAGTAATTTCTGGACTTGAATCTCCCGCCACAGCACAACACAGGTCTGGGAGGGATCCC
TGTAGCAGGTATCCAGCGTCTTCAGGAAACAGTTTAGACTCTCTTCAAGATGACAATCTCCACACTGG
CTAAAATCCCTTCAGGCCCTCACAGAGATGGACGGCCCCAGCGTCTCCATCACAGACCCACCACAGCG
CCCCCTTCAGCACACAGATCCCCTGCACAGAGCCAGTTGGAATCCCTACCCTCTCTTCAAACCTTTC
CAGCTTCCACTCCCACCCAGGCTTTCAGACAGCCTTCAGACCCCCAGCAAAAACCCCCACAGATTTA
CTACAGAGTTCAACACTGGACCGCCATTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013316 unedited

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TTCGGGATTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACGAGGGAAGAGTTTT
TTCCCCGACGCTCGTTCGGTGGTTTCTTGTGAGGACCGCGCAGCCCGTGGAGTCGGCTGA
GGGAAAAGCGAGGCAAGGCAGGCGGATCCTTTCAATATACACTTCCAGAAAAGGGAAGC
CCCGTGGTGGCCCTTGAAGGTAAGGAAAGTTGGGAAGTGAATGAAGTGAAGTGCCTCAA
AGTCTACATTTTAGCTTTCAGTGTGAACTTCTTCTCCCTTAAATTATTATAAACTTT
TGCTGCTGTTTAAATAACGTGAAGATGTCTCGCAGTCTGATGCGAAGGAAGACCCTGTG
GAGTGGCCTCTTTCATGGAGCCCTTGGAGATAGATGATATCAACTTTTTCCCTTGACC
TGTGGCTACCAGATTTGCCGATTTTGTGGCATCGAATTCGCACTGATGAAAATGGGCTT
TGTCTGCATGTAGAAAGCCATATCCAGAAGACCCAGCAGTTTATAAACCACTCTCCCAG
GAAGAGCTGCAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAGAGAAAACAGAAA
ATATCAGAAAATCGCAAACATTTGGCTAGTGTACGTGTGCTACAAAAAACCTCGTCTTT
GTTGTAGGTTTATCTCAGCGCCTAGCAGACCCAGAGGTTTTAAAACGACCAGAATATTTT
GGGAAAGTTGGTAAATACATAAAGTTGTCATCAATAATAGCACATCATATGCAGGCTCAC
AGGGTCCAAGTGCCAGTGCTTATGTAACCTATATCCGGTCAGAAGACGCTCTCAGACCAT
ACAGTGTGTCAACATGTGGTAGTAGTGCAGAACACTTAGGCATCTCTAGGTACACAAA
TACTGCAGTACTTCTTAAAGAAAAGCG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_013316 unedited CCGCAATTTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATAATCAAGTTTTCTGTTTTATTT AAGATTTTAGTTTTAATTCTGAAGAAAGAGTACATTTTCCTTGTTTTAGTTTTAGCGTCA GGTTATAACCAGGTTTCTGTTTTCTTTCTCCTGTCTTTCAATACTGCACAAACGTCCA GAAACTACAGGGTTAAGTAAAAGCTGCAGGCAAGGAGGTCAGAGATTTGCTCCCGATGGT GATCAGATGGCCCCAGAGCAGTGCTATCTCAGAGTGCCCTCGTCAGGTGAATTTATGGTA AAACAAAAAAGATTCCGACAGAGGAGAAGGACTGAAGAAATGACTTACATTTTCAGCTCTT ATATTATTAATAGGTATTAATCTGTGAATACTTTTTCTTTAAAAACATTTCAATTTACT TTAAATCTAAAGCCAAAAATTTTTCTCCTTTAAAAAAATTACTTCTCACCTCCTTATGA ACTCTTTAGCAATCGGCCAGTTACTACTACAGATGAATTTGTCTTTCCATCAACTTCCAA TACATTTCTTTGCTTAATGACACAATCAAGTCCTTGCCATCAACTTGCCAAAAGAATTAA AAATTAATTTAAATTAAGCATTTTCCCTGCAATAATGATAAGCTGAATACAAGATGGA TGCTAGGACCACTGCTTCCCCCATGCATTTAGCAATCTCACGTAATGAACCTGGTTTT CAAACCTTCTGCAGTTGATAATGCATTTACTTGAGCTTTCTATAGATTAATCGTCATTTT CTGCTAAGCAGANATGTCATTATTATGCGCAACAGACAAACATAATTTCTAAGTATGAGA CTGCCCTTGATTTTTTTTCTCCTTTAAAAGCATTTTAGAACATTCACATGTCACCTCAAG CTGGACACAAAATTTTACATTATAAGAGATGTATGACCTGGATCCATGCATCGGGTAGGA AN
Restriction Sites:	NotI-NotI
ACCN:	NM_013316
Insert Size:	3370 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_013316.2 , NP_037448.2
RefSeq Size:	3333 bp
RefSeq ORF:	1920 bp
Locus ID:	4850
UniProt ID:	O95628
Cytogenetics:	7q33
Domains:	RRM, RRM_1

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: RNA degradation

Gene Summary: The protein encoded by this gene is a subunit of the CCR4-NOT complex, a global transcriptional regulator. The encoded protein interacts with CNOT1 and has E3 ubiquitin ligase activity. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]

Transcript Variant: This variant (1) uses an alternate in-frame splice junction at the 3' end of an exon and lacks an alternate in-frame exon compared to variant 6. The resulting isoform (a) has the same N- and C-termini but is shorter compared to isoform f. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.