

Product datasheet for **SC324655**

CNOT4 (NM_001008225) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNOT4 (NM_001008225) Human Untagged Clone
Tag: Tag Free
Symbol: CNOT4
Synonyms: CLONE243; NOT4; NOT4H
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001008225.1
 CCACGCGTCCGGGTGGCCGCTGGCTGTGGAACCCACCGAAAGCTGAGAGTCTCTCTCT
 CAGCCGTAAGGTCGGACTCGCTGAAGCAATCAGGCCCGTTCTGAAGAGTTTTTCCCC
 GACGCTCGTTCGGTGGTTTCTTGTGAGGACGCGCAGCCGTTGGAGTTCGGCTGAGGGAAA
 AGCGAGGCAAGGCAGGCGGGTCGTCAAAGTCTACATTTTAGCTTTCAGTGCTGAACTTC
 CTTCTCCCTAAATATTATAAACTTTTGTGCTGTTAAATAACGTGAAGATGTCTCGC
 AGTCTGATGCGAAGGAAGACCCTGTGGAGTGCCCTCTTGCATGGAGCCCTGGAGATA
 GATGATATCAACTTTTTCCCTTGCACCTGTGGCTACCAGATTTGCCGATTTTGTGGCAT
 CGAATTCGCACTGATGAAAATGGGCTTTGTCTGCATGTAGAAAGCCATATCCAGAAGAC
 CCAGCAGTTTATAAACCCTCTCCAGGAAGAGCTGCAAAGGATAAAGAATGAGAAAAAA
 CAGAAACAAAATGAGAGAAAACAGAAAATATCAGAAAATCGCAAACATTTGGCTAGTGTA
 CGTGTCGTACAAAAAACCTCGTCTTTGTGTAGGTTTATCTCAGCGCCTAGCAGACCCA
 GAGGTTTTAAACGACCGAATATTTGGGAAGTTTGGTAAAATACATAAAGTTGTCATC
 AATAATAGCACATCATATGCAGGCTCACAGGTCCTCAAGTCCAGTGCTTATGTAACCTAT
 ATCCGGTCAGAAGACGCTCTCAGAGCCATACAGTGTGTCAACAATGTGGTAGTAGATGGC
 AGAACCTTAAGGCATCTCTAGGTACAACAAAATACTGCAGTTACTTCTTAAAGAATAG
 CAGTGTCCAAAACCTGACTGCATGTATCTTCATGAATGGGGGATGAGGCGGCCAGCTTC
 ACAAAGAGGAAATGCAGGCGGGTAAACACCAAGAATATGAACAGAAGCTACTTCAAGAA
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 AACGGTGATAATCCAGCAGATATCTAACAGTGATACGCCTTACCACCACCTGGTTTG
 TCAAAATCCAATCCAGTCATCCCATCAGTTCATCCAATCACAGTGCACGGTCCCCTTTT
 GAAGGGGAGTAAACAGAGTACAGTCTGTTATTCTCAGACATTTTTCGCCATCCCAACCCT
 ATCCCAAGTGGGCTTCTCCTTTCCAGCTCCACAGACATCCAGTGACTGGCCTACA
 GCACCAGAACCACAGAGCCTCTCACATCAGAAACAATCCAGTATCATCCTCTACAGAC
 TGGCAAGCAGCTTTTGGCTTTGGTTCTTCTAAACAACCAGAGGATGACTGGGTTTTGAT
 CCCTTCGATGCTACTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAAGTCCGTTCAA



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GACCAACCTTCCCTTTGCCCCACATCTCTTCAGAACTCCTCTTACACACTACAACCGCC
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 AGTACCTTTTCAGTCTTGCCCCAGAGGTTCCCTCAATTCAGCAGCACCGAGCGGTTTAT
 AATTCATTAGTTTTCCAGGCCAGGCAGCCCGCTATCCTTGGATGGCCTTCCACGCAAT
 AGCATCATGCACTTGAACCACACAGCAAACCCACCTCAAATAGTAATTTCTTGGACTTG
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 GTGAAGGTTTCGACCATGCCACTGTCAACCTCTCCATTCAACAAGAAGGAGGATTAGACTC
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 CAAGACTTCACCTATGTCTCCTGTGGAGCTGAGGCTCCTGGGCCTTGTTATTATAACAAA
 CTCTGGCTCCTTGAATGATGCTTACTAGCTCAAAGCCTTCTCCAGCATTGAGTGTAGC
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 GGTGTTGAGAGATATACCTGTTAAATGAGGCTTCTTTCTTTCTATTTCATAGCCAGCGT
 GGAAAAATCATCAGGTAGTTTGCCAGATTTGCCAGAGCCCTAAATAAAATGGCAAAACG
 ATCTCCCTGCCTGCTTCTCCTCCCACCCCACTTACATGCACACCGTAAATCAAGAAAT
 GCTTTTTGGGCAATTAGACTTTTCTTCTAAATTTTTGCATAGAATGGCTAAACATGATC
 TTTTGCCTCATTGTAATTCCTACACCTTCTTGTAGCTTACCTTTTGTACCTAA
 TATTTTAAACATGGTTTTTTAAAAAACCTGAAGCTTTAAATCATAGTCATAATTA
 ATTTTACACTAAAGGACAGAAGAAATTATACAACACATAAAAGAAGCCACTACTTCACAT
 AGCAAGCAAATGAAATCAAATGACAGAAGAATGAGAAATCTTTAAAAGCTTCAGGTT
 TTTTTGTTGTTGTTAAATTCCTGCATGATGCATCATGTGCAAGGGAACCTTAATAT
 ACTTTTACACCCTAACCTTTATAAAGTGACTAGCTTTTCCCTTAACATAGGAATTTTTA
 ACCTGGAGCCCAGATTTTGGAGGTACACACAAAATTGTGGGTTTGTGTGCATGTACATA
 TGTCATTTTTTCTAGGGAGAAGATCCATAGTTATTAGATTTGTGAAGGATTTGGTGAT
 CCCCTTCTCCATCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_001008225
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001008225.1</u> , <u>NP_001008226.1</u>
RefSeq Size:	2808 bp
RefSeq ORF:	1719 bp
Locus ID:	4850
UniProt ID:	<u>O95628</u>
Cytogenetics:	7q33
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	RNA degradation
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 3' end of an exon and differs in the 3' UTR and coding sequence compared to variant 6. The resulting isoform (b) lacks an internal 3 aa segment and has a shorter and distinct C-terminus 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.</p>