

Product datasheet for **SC107491**

Coiled Coil Domain Containing Protein 3 (CCDC3) (NM_031455) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coiled Coil Domain Containing Protein 3 (CCDC3) (NM_031455) Human Untagged Clone
Tag:	Tag Free
Symbol:	Coiled Coil Domain Containing Protein 3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for NM_031455 edited
GAATTCGGCACGAGGCAGCGGTGCGCTCAGCTCCCGGGAGCGGCCGAGCAGCCGAGCGC
CCAGGGGTGCCCTTCCCGGGCCGGCGGGCTCCCGGGCTCCCGCCGCGCCCGCCCGTGCGC
CCCGGGAGGGCCCGCATGCTGCCCAGCTGCTGCTCGCCGCGCTCTGCCTGGCGGGTCC
CCCAGCGCCCGCGCGCCTGCCAGTGCCTCCGAGTGGAGGCCCTGAGCGAGGGTGC
CCGCGCCGAGCTGGCCGAGACCATCGTGTACGCCAGGGTGTGGCGCTGCACCCGAGGC
CCCGGGCTCTACAACCACCTGCCCTGGCAGTACCACGCCGCCCAGGGGGCCCTTCTTA
CTCGGCCGAGGTGAGATGCTGTGCGACCAGGCGTGGGGCAGCATGCTGGAGGTGCCCGC
CGGCTCCAGGCTCAACCTCACCGCCTGGGCTACTTCTCGTGCCACTCCACACCGTGGT
CCAGGACTACTCTATTTCTTCTCCTCAGGATGGATGAAAATTATAACCTCTTGCCCTCA
CGGAGTCAATTTCAAGATGCCATCTTCCAGACACTCAAGAGAACAGAAGGATGTTTTT
TAGCCTTTTCCAGTTTTCAAAGTGTTCGCAAGGGCAGCAGCTGGCGACTTTCTCCAGTGA
CTGGGAAATCCAGGAAGACAGTAGGCTCATGTGCTCCTCGGTGCAGAAGGCCTTGTTTGA
GGAGGAGGACCACGTCAAGAAATGCAGCAGAAAGTGCCACCCTGGAGAAGCGCAACCG
GCAGCTCCGGGAGCGAGTGAAGAAGGTCAAGAGTCTTTCGCGCAGGCGCGTAAGAAGGG
CCGCCACCTGGAGCTGGCGAACCCAGAACTCAGTGAGAAGCTGGCGGGCGGCGCGCTGCC
GCACATCAACGCCCGGGGGCCCGTGCGCCCCCTACCTGCGGGGGTAACGGGCCTGGGG
GCTGCCAGGTGTGACGGGCAATCCTGGCGGTAATTGAGAATGAGTGAGGTTTTGTACAT
GCAGCTATTTCAAGGGTTGTAAGAGTTTTTGTTTTTAATCACGCATTTGGTAGAGTCTAA
ATGGATAAAATGCAAGGCTTGTCTTCCCCTTGGGTGCTGGCCTCAATGTCAGACCCACG
CGCTGCCCTTCTGGCCTGACCCAGACGCAGTGCCTGGCAGTCCAGAGGCAGTGGGAT
CCCTGAGTGTGAATGCTCGCCTGCAGAGCAGCCAGAAAGAGCCCTGACTGGGGAGAGA
ACATTTTAGAATCTCTAGTGTAAAAGACATCAACGTGCTTAGCCTTTATTTAGAAAAAA
ATCAGGGTGGTTCCAGCTCCCCAGTCCAGGACAACCATTAGTCTGATGAGTGAGCTGA
CGCTGGTGTGGAACCTGCTGGCACCTCACTGGCCACATCTTTGGAAGGGGATGGTGCC
TTGCATCCAAGATGCCTGAAAATCAGCACGTGCAGGGCCTCCCTATCCAGCCAGCATTTT
CCTTCCAGCTGAGGCAGGTGAAGACTTCATAAGCTCATCACAGGGGAGGGAATTAGGAGC
AGGGCAGCAGGTAATTAACAAGATAAATTATACCTGATTTCCAACACCAGCTACAAAGA
GTTGAAGATGATACCTATGGGTGCGTTAACACAGGGGGCAACTGCCTTGATCGGCCTGC
CATGGGTATCAGACTGCTTCTAAATTGAGAGAACTGAGCAATCTCTCAGCCACTGCT
ATAGTCTAACTTCTTGTGTTGCTGAGTAATTGTTTCTAATGTCTCTGAACTCAAAGTGAGG
TGCTCCAAGACGCTGTGAACTTCTGCAAAGACACCTCCTTACCTACTGGGATCACGTGAC
CTGACCTCACTCCAGCCAGGCTCCCAAAGGGCTCATTCCAGCCATTCCAATCTTCTTCT
CTTTATGCAAACACTTTTCCCCACAACAAGCCTTGTGTTTCCGATAGGAATACGTGTA
CGTCAGTGCACCTTGCTCTACGTGAGTTCCTTACACCACCAAAGCACTTACCTTTCTGG
AAATAAACTTTAAGACTACTATAAGTAAAAATGAGAGTATCACTAGACTTATTGC
TCAGGCACATTTGAGTGGGTCCCAGCTGTGTGATTAAGAAGTCAACTGGGTGGCCTTTTC
TGGGTTATCTTCTGATCATGGCCTTTCAACCAACAAGGGCCCTTCCCTGCTCTTCCACC
AGTAAAGGCTCCTGGCCTCTCATCAGGATCTGCCCCCAGAGACCCCCAGACACTGCA
GGGCCTGGTGTGCTGTCTGTACCGGAAATGGCAGGCACTGTCAGATTTCCACTCTT
CTGCCCTTAGGAAGGCTGGGTGCTTCTTCTGCTGACAGCCAGTCTGGGGAGATGACTCTT
ACGTTGCTTGAGTCTTGGTGGCAGGCTGCTGTCCACGGGGGAGAAGTCTCTGCTCTGGAC
TGGACAGAAGAGAGACTTTTACCCTGGGCACTCACACGGCCAAGCTTCTGCCACCACTT
CATTAGCTGATTTCTCCATAGTATGGTGAATAGCAGGTGCGTCTTCTAGTTTATTCCTC
CTGGGGACATTTCTCAAAGCAGTTTTTGCGCCCCGCAAGGGAATGGTCAGCCTAAGGGT
AATGTACAGCCCGTGTGGGAGAACCATGGAAGCTACACCCTACAGGTGCATACTGTTTC
TGCTTTTCCAATAAATACGAGCGCGGATTTCAACCACAAAAAATAAAAAAAAAAATACTCGA
C
```

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031455 unedited TTTAAATTAGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCAGCGGTGCGC TCAGTCCCAGGAGCGGCCGAGCAGCCGAGCGCCAGGGCTGCCCTTCCCGGGCCGGCG GGCTCCCCGGGCTCCCCGCCGCCCGCTGCGCCCCGGGAGGGCCGGCATGCTGCGCC AGCTGTGCTCGCCGCGCTCTGCCTGGCGGGTCCCCAGCGCCGCGCGCCTGCCAGC TGCCCTCCGAGTGGAGGCCCTGAGCGAGGGCTGCCGCGCGAGCTGGCCGAGACCATCG TGTAGCCAGGGTGTGGCGCTGCACCCGAGGCCCGGCCCTCTACAACCACCTGCCCT GGCAAGTACCACGCGGCCAGGGGGCCTTTCTACTCGGCCGAGGTCGAGATGCTGTGCG ACCAGGCGTGGGGCAGCATGCTGGAGGTGCCCGCCGGCTCCAGGCTCAACCTCACCGCC TGGGCTACTTCTCGTGCCACTCCCACACCGTGGTCCAGGACTACTCTATTTCTTCTTCC TCAGGATGGATGAAAATTATAACCTCTTGCCTCACGGAGTCAATTTCCAAGATGCCATCT TCCCAGACTCAAGAGAACAGAAGGATGTTTTCTAGCCTTTTCCAGTTTTCAAAGTGT CGCAAGGGCAGCAGCTGGCGACTTCTCCAGTACTGGGAAATCCAGGAAGACAGTAGGC TCATGTGCTCCTCGTGCAGAAAGGCCCTGTTTGGAGGGAGACCACGTCAAGAACTGC AGCAGAAAGTGGCCACCCTGGAAGAAGCGCACCCGGCAGCTCCGNNAGCGAGTGAAGAAG GTCAAGAAGTCTTGCCGAGGCCGCTAAGAAGGGCCGNCACCTGTAGCTGGCGAACAGA AACTCATTGAAAAGTGGCGGCGNCGCGCTGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031455 unedited CATCTTGNACGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTTGTGGGTGAAAT CGCGCTCGTATTTATGGGAAAAGCAGAACAGTATGCACCTGTAGGGGTGTAGCTTCCA TGGTTCTCCAAGCACGGGCTGTACATTACCCTTAGGCTGACCATTCCCTTGGGGGGCGC AAAACTGCTTTGAGGAAATGTCCCAGGAGGAATAAACTAGAAGACGCACCTGCTATTTCC ACCATACTATGGAGAATACAGCTAATGAAGTGGTGGCAGAAGCTTGGCCGTGTGAGTGCC CCAGGGTAAAAGTCTCTTCTGTCCAGTCCAGAGCAGAGACTTCTCCCCGTGGACAGC AGCCTGCCACCAAGACTCAAGCAACGTAAGAGTCATCTCCCAGACTGGCTGTCAGAGCA AGAAGCACCCAGCCTTCTAAAGGCAGAAAGTGGAAATCTGACAGTGCCTGCCATTTCC GGTACAGAGGACAGCATCACCAGGCCCTGCAGTGTCTGGGGGGTCTCTGGGGGGCAGAT CCTGATGAGAGGCCAGGACCTTTACTGGTGGAAAGAGCAGGGAAGGGCCCTTGTGGGTT GAAAGGCCCTGATCAGAAGATAACCCAGAAAAAGCCACCCAGTTGACTTCTTAATTACAC AGCTGGGACCTCAATGTGCCTGAACAATAAGTCTAGGGAATCCTCTCATTTTTTACC TTAACAAGGGCCTTAAAAGCTTTATTCCAAAAAGGGGAAACGCCTTTGGGGGGTAAG GAACTGAACCTAAGGCAAGGGCCCTTACGTACACCTATTCTTTGGGAACAAACAGGCCT TTTTGGGGGAAAAAAGTTGCCATAAAAAAAAAAAAAATGAAAGGGCTCAAAGACCCCT CTGGAACCCGCTGGAGGGCGTCCGGCCCTTACCCATAGGAAAGGCAGCGCCTTA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_031455
Insert Size:	2680 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:

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_031455.2](#), [NP_113643.1](#)

RefSeq Size: 2753 bp

RefSeq ORF: 813 bp

Locus ID: 83643

UniProt ID: [Q9BQI4](#)

Cytogenetics: 10p13

Gene Summary: Negatively regulates TNF-alpha-induced pro-inflammatory response in endothelial cells (ECs) via inhibition of TNF-alpha-induced NF-kappaB activation in ECs (PubMed:25193116). Positively regulates lipid accumulation in adipose cells (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).