

Product datasheet for **SC113171**

CCDC47 (NM_020198) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC47 (NM_020198) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC47
Synonyms:	GK001; MSTP041; THNS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113171 sequence for NM_020198 edited (data generated by NextGen Sequencing)

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ATGAAAGCCTCCACACTTTCTGTGTTGTCCTTCTGGTGTGGGAGTGTCTCTGAAGCC
AAGTTTGATGATTTTGAGGATGAGGAGGACATAGTAGAGTATGATGATAATGACTTCGCT
GAATTTGAGGATGTCATGGAAGACTCTGTTACTGAATCTCCTCAACGGGTGATAATCACT
GAAGATGATGAAGATGAGACCACTGTGGAGTTGGAAGGGCAGGATGAAAACCAAGAAGGA
GATTTTGAAGATTGAGATACCCAGGAGGGAGATACTGAGAGTGAACCATATGATGATGAA
GAATTTGAAGTTATGAAGACAAAACAGATACTTCTTCTAGCAAAAATAAAGACCAATA
ACGATTGTTGATGTTCTGCACACCTCCAGAACAGCTGGGAGAGTTATTATCTAGAAATT
TTGATGGTGACTGGTCTGCTTATATCATGAATTACATCATTGGGAAGAATAAAAAAC
AGTCGCCTTGACAGGCCTGGTTAACTCATAGGGAGCTTTTGGAGAGCAACTTTACT
TTAGTGGGGGATGATGGAACAAAGCCACAAGCACAGGAAAGTTGAACCAAGGAG
AATGAGCACATCTATAACCTGTGGTGTCTGGTCGAGTGTGCTGTGAGGGCATGCTTATC
CAGCTGAGGTTCCCAAGAGACAAGACTTACTGAATGCTCCTGGCCGGATGATGAGGCCA
GTGAGTGTCAAGTGCAATAAAAGTAACCATGAATGATGAAGACATGGATACCTACGTA
TTTGCTGTTGGCACACGAAAGCCTTGGTGCAGTACAGAAAGAGATGCAGGATTTGAGT
GAGTTTTGTAGTGATAAACCTAAGTCTGGAGCAAAGTATGGACTGCCGGACTCTTTGGCC
ATCCTGTCAGAGATGGGAGAAGTCACAGACGGAATGATGGATACAAAGATGGTTCACCTT
CTTACACACTATGCTGACAAGATTGAATCTGTTCAATTTTTCAGACCAGTTCTCTGGTCCA
AAAATTATGCAAGAGGAAGGTCAGCCTTTAAAGCTACCTGACACTAAGAGGACACTGTTG
TTTACATTTAATGTCCCTGGCTCAGGTAACACTTACCCAAAGGATATGGAGGCACTGCTA
CCCCTGATGAACATGGTGATTTATTCTATTGATAAAGCCAAAAAGTTCCGACTCAACAGA
GAAGGCAAAACAAAAGCAGATAAGAACCCTGCCCCGAGTAGAAGAGAAGTTCTTGAAGT
ACACATGTGCAAAAGACAGGAAGCAGCACAGTCTCGGCGGGAGGAGAAAAAAGAGCAGAG
AAGGAGCGAATCATGAATGAGGAAGATCCTGAGAAACAGCGCAGGCTGGAGGAGGCTGCA
TTGAGGCGTGAGCAAAAGAGTTGAAAAGAAGCAAAATGAAAATGAAACAAATCAAAGT
AAAGCCATGTAA
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Clone variation with respect to NM_020198.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_020198 unedited
GGTCANCAATTTTGAATACGACTTCACTATAGGGCGGCCGCAATCGGCACGAGGGTAAA
ACCGCTGCGATCGCGGAGGCGGCCAGGCCGAGAGGCAGGCCGGGCAGGGGTGTCGGA
CGCAGGGCGCTGGGCCGGGTTTCGGCTTCGGCCACAGCTTTTTTCTCAAGGTGCAATGA
AAGCCTTCCACACTTTCTGTGTTGTCCTTCTGGTGTGGGAGTGTCTCTGAAGCCAAGT
TTGATGATTTTGAGGATGAGGAGGACATAGTAGAGTATGATGATAATGACTTCGCTGAAT
TTGAGGATGTCATGGAAGACTCTGTTACTGAATCTCCTCAACGGGTGATAATCACTGAAG
ATGATGAAGATGAGACCACTGTGGAGTTGGAAGGGCAGGATGAAAACCAAGAGGAGATT
TTGAAGATGCAGATACCCAGGAGGGAGATACTGAGAGTGAACCATATGATGATGAAGAAT
TTGAAGGTTATGAAGACAAACAGATACTTCTTAGCAAAAATAAAGACCCAATAACGA
TTGTTGATGTTCTGCACACCTCCAGAACAGCTGGGAGAGTTATTATCTAGAAATTTTGA
TGGTGACTGGTCTGCTTATATCATGAATTACATCATTGGGAAGAATAAAAAACAGTC
GCCTTGACAGGCCTGGTTAACTCATAGGGAGCTTTTGGAGAGCAACTTTACTTTAG
TGGGGGATGATGGAACAAAGAGCCACAGCACGGGAAAGTTGACCCAGCACATGAG
CACATCTATAACCTGTGGTGTCTGGTCGAGTGTGCTGTGAGGGCATGCTTATCCAGCTT
GAGTTCTCAGAGACCAGATTACTGAATGCTCCTGCCCGGATAGATGAGCCCGGAGGGA
TCAAGTGAATAAAGTACCCATGATGT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_020198 unedited CCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTGTCAATCACTTTAATAGATGTCCA TAGGTAGTTTCATATGAATGCTTAAGTTACAAAATTAGCTGCCATGGTCCAAATGTATGGG ACTTTAGGAAAGCTTTTCTTACTCAAAGATAACTAAGACTATCAACTTTGATTTCTAAA ATGTAATTTAAAGTTTGTAAAACAAGGCCACTACTATAATTATATAATTTAAAGTAAT TAAGTTTTATGTTAGTTATTTAATAACAACCTCATGAAGTGTAAAAATATTACATTTG CATCTCTCAGTTACATATTTCTGTATTAACCTGGAGAAAAACCCATGTGAAAAGTTTCC ATGCAGTTACAAAAGGCAGCAGCAGCATGCTGTTTTACAGCAACTGTTATTGCCTCAGAA CAGGCCTGCACTAAAGCATCAACAATAATACCCACCACCCCACTCCACCAGAAAAACCC AACCCCTTACCCATCCCCGGCAAAAATTACCTGGTACAAGCAATGACCTAAAAATGCTTTC TTGGTAAGAAGCATTTATAAAATGCAGAGATCTGAACAAGCTAAGTGCTCGTGAGATAC ATGGGCCTCTCCTCAAGAGTTGGTTCGCAAGAGGTGGAAGAAGTCTCAATCAGCTAG GAAAGCTCATTTCAAAGTATACTTACACATATTTATGGCCATTTCTTTGAAAGAACAT ACCCACCCTCACTGGGCAAAGATACAGCAGATGGAGAAGCACTGCACCCAGCCATAATA TTAGAGACAGAGCCTCTCATGAACATCCACCAGCTGCAGCCACCAAGAAGGGAAAAACCA TTTGGATTTCCACAGACCATGATCTACCTAGCGAACTAATTTTTCTGCATCGCCCTCAG AAATTAACACCCCTAAAACACTTCCCTTGCACTGTTCCGGTTAGCAAGAAAAAGGGC CCGCCCTAAATTCCTTCCCGCAGATTCAGCCCCACCTN
Restriction Sites:	NotI-NotI
ACCN:	NM_020198
Insert Size:	3200 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:	<u>NM_020198.1</u> , <u>NP_064583.1</u>
RefSeq Size:	3294 bp
RefSeq ORF:	1452 bp
Locus ID:	57003
UniProt ID:	<u>Q96A33</u>
Cytogenetics:	17q23.3

Gene Summary:

Involved in the regulation of calcium ion homeostasis in the endoplasmic reticulum (PubMed:30401460). Required for proper protein degradation via the ERAD pathway (PubMed:25009997). Has an essential role in the maintenance of endoplasmic reticulum organization during embryogenesis (By similarity).[UniProtKB/Swiss-Prot Function]