

## Product datasheet for **SC315790**

### CCDC61 (NM\_001080402) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | CCDC61 (NM_001080402) Human Untagged Clone |
| Tag:                      | Tag Free                                   |
| Symbol:                   | CCDC61                                     |
| Synonyms:                 | coiled-coil domain containing 61           |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**Fully Sequenced ORF:** >SC315790 representing NM\_001080402.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCATGCACACCCGGCTCTCCCTCCAGGCCCTCCCACCACGTGGGCGCGGCTACCTCCCAGCA
GGGGTAATAGAAGCGAGAACCGCGATCCTGGGCGGGGCTGGAGCTTCGTGAGTTGAACCGCTCGCG
AGGAGGGTTGCTAGTGGAGAAGCAACCTTGCCATGGACCAGCCGCTGGCTGCAGGTGGACTAGGTC
TTCCGGGGTGTGGAGCATGCCGTGCGGGTATGGTTTCTGGGAGGTGCTGGAGCTGGAGGTGGAGGAC
CGGATGACGGCTGACCAGTGGCGGGGCGAGTTCGATGCTGGCTTCAATGAAGATTTGACTCACAAGACA
GGGAATTCAAACAGTTCAACATCTTCTGTCATATGCTGGAGTCAAGCCCTCACTCAGAGTGTGAGTCA
GTCACCCTGGACCTGCTGACCTACACAGACCTGGAGTCCCTGCGGAACCGCAAGATGGGGGGCCGCCA
GGCTCCTGGCCCCAGGTGGCCAGCTCAACTCCAAGCGCTACCTGATCCTCATCTACTCCGTGGAG
TTTGACAGGATCACTACCCGCTGCCCCCTCCCGTACCAGGGCAAGCCAGACCCCGTGGTTCTGCAGGGC
ATCATCCGGTCACTGAAGGAGAACTGGGCGCCCTGCAAGGGCTGGATGGCCAGAACAACCTCGGGACACC
CGGGAGAATGAGATCTGGCATCTGCGGGAGCAGGTGTGCGCCTGGCTCCGAGAAGCGGGAGCTGGAG
GCGCAGCTGGGCCGATCGCGCGAGGAGCGCTGGCCGGGCGCGCGCACGCCAGGAGGCCGAGGCGCTG
CGCGGGCTGGTGCAGGGCTGGAGCTGGAGTGGGCGAGGAGCGCGCCCTCGGGCACAGGGTGGCCGGC
CGTCGCGGCCAGGACTGCCGCCGTCTGGCAAGGAGCTCGAGGAGGCGAAGGCATCGGAGCGGAGCCTG
CGCGCCCGGCTGAAGACGCTGACCAGCGAGTGGCATTGTACAAGAGGGGCGGCCGCGGGAGCCGGGGT
CGGGGCCGCCCTGCGGCCCTCGCCCTCGCCACAGTGGTGGTGGTCTCGCCAGACCCAGCCCTGCTGCCTGACT
AGTGGGGAAGCGGGGACGGTCCGTCCGTCTCCTGGTCTGCGCAGACCCAGCCCTGCTGCCTGACT
GGCCGAGGGGACGCCCTAACCGCTCCCGAAACCGCAGCTCCTCAGTGGACAGTTTCCGAGCCGCTGC
TCGTCTGCCAGCTCCTGCAGCATTGGAGGATTTCTCTGAGTCGCTCTCCAGAGGGGTACCCGCCG
CGTGGGAAGCCTCCAGCCCAACGCCCTGGAGTGGTCCAATATGAAGTCTCCCCCGTGGAACGCAGC
CACCATCAGAAATCTCTGGCAACTCCGGGGGCTGGTCCCCATCAAAGAGTACAGCTCGGAGCACCAG
GCGGCTGACATGGCCGAAATAGACGCACGCTGAAGGCCCTGCAGGAGTACATGAACCGACTGGACATG
CGGTCATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001080402

**Insert Size:** 1596 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).

**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:**

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\\_001080402.1](#)

**RefSeq Size:** 1825 bp

**RefSeq ORF:** 1596 bp

**Locus ID:** 729440

**Cytogenetics:** 19q13.32

**MW:** 58.9 kDa

**Gene Summary:** Microtubule-binding centrosomal protein required for centriole cohesion, independently of the centrosome-associated protein/CEP250 and rootletin/CROCC linker (PubMed:31789463). In interphase, required for anchoring microtubule at the mother centriole subdistal appendages and for centrosome positioning (PubMed:31789463). During mitosis, may be involved in spindle assembly and chromatin alignment by regulating the organization of spindle microtubules into a symmetrical structure (PubMed:30354798). Has been proposed to play a role in CEP170 recruitment to centrosomes (PubMed:30354798). However, this function could not be confirmed (PubMed:31789463). Plays a non-essential role in ciliogenesis (PubMed:31789463, PubMed:32375023).[UniProtKB/Swiss-Prot Function]