

## Product datasheet for **SC108313**

### CCDC69 (NM\_015621) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC69 (NM_015621) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC69
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015621, the custom clone sequence may differ by one or more nucleotides

```
ATGGGCTGCAGACACAGCAGGCTGAGCAGCTGCAAACCCCGAAAAAGAAGCGCCAAGAACCAGAACCAG
AACAGCCACCCAGACCAGAGCCCATGAATTAGGTCCCTCAATGGGGACACAGCTATAACTGTCCAGCT
CTGTGCATCAGAGGAGGCTGAGCGGCACCAGAAGGATATAACCAGAATTCTCCAGCAACATGAGGAGGAA
AAGAAGAAATGGGCACAACAGGTGGAGAAGGAAAGGGAGCTAGAGCTTCGAGACAGACTGGATGAGCAGC
AAAGGGTCTGGAAGGAAAGAATGAAGAGGCCCTGCAAGTCCTCCGGCCCTCATATGAACAGGAGAAGA
AGCGCTTACCCACTCTTTCCGGGAGGCCAGTTCTACCCAGCAGGAGACCATAGACAGACTGACCTCACAG
CTGGAGGCTTTCAGGCCAAAATGAAGAGGGTGGAGGAGTCCATTCTGAGCCGAAACTATAAGAAACATA
TCCAGGATTATGGGAGCCCCAGCCAGTTCTGGGAGCAGGAGCTGGAGAGCTTACACTTTGTTCATCGAGAT
GAAGAATGAGCGTATTCATGAGCTGGACAGGCGGCTGATCCTCATGGAAACAGTGAAGAGAAAAATCTG
ATATTGGAGGAAAAAATACGACCCTGCAACAGGAAAATGAGGACCTCCATGTCCGAAGCCGCAACCAGG
TGGTCTGTCAAGGCAGCTGTGAGAAGACCTGCTTCTCACGCGTGAGGCCCTGGAGAAGGAGGTGCAGCT
GCGGCGACAGCTCCAGCAGGAGAAGGAGGAGCTGTTGTACCGGGTCTTGGGGCCAATGCCTCGCCTGCC
TTCCCTCTGGCCCTGTCACTCCACTGAGGTCTTTTCTCGCCACATAG
```



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**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_015621 unedited
GAGGTTCGAATTATGTNATACGACTCACTATAGGGCGGCCGATTTCGGCACGAGGGGAG
GCTGAGCGGCACCAGNAGGGAATAACCAGAATTCTCCAGCAACATGAGGAGGAAAAGAAG
AAATGGGCACAACAGGTGGAGAAGGAAAGGGAGCTAGAGCTTCGAGACAGACTGGATGAG
CAGCAAAGGGTCTGGAAGGAAAGAATGAAGAGGCCCTGCAAGTCTCCGGGCCTCATAT
GAACAGGAGAAAAGAAGCGCTTACCCACTCTTCCGGGAGGCCAGTTCTACCCAGCAGGAG
ACCATAGACAGACTGACCTCACAGCTGGAGGCTTCCAGGCCAAAATGAAGAGGGTGGAG
GAGTCCATTCTGAGCCGAAACTATAAGAAACATATCCAGGATTATGGGAGCCCCAGCCAG
TTCTGGGAGCAGGAGCTGGAGAGCTTACTTTGTTCATCGAGATGAAGAATGAGCGTATT
CATGAGCTGGACAAGCGCTGATCCTCATGAAACAGTGAAGAGAAAAATCTGATATTG
GAGGAAAAAATTACGACCCTGCAACAGGAAAAATGAGGACCTCCATGTCCGAAGCCGCAAC
CAGGTGGTCTGTCAAGGCAGCTGTGAGAAGACCTGCTTCTCACGCGTGGGCCCTGGAG
AAGGAGGTGCAGCTGCGGCAGACTCCAGCAGGAGAAGGAGGAGCTGTTGTACCGGGTC
CTTGGGGCCAATGCCTCGNCTGCCTTCCCTCTGGCCCCTGTCACTTCCACTGAGGTCTCT
TTCTCGCCACATAGGGTGCAGGGCCTGGGCCACCACGACGCCTGAAGTCACAGCTTCT
TCCAAGTTTTCTGAGAACAGCAGAGCCTCTCAGTTCTTTCCAGCAAGGAACCAG
TTGGGGAGCGATAAGGAGACCTGGGGTGG
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_015621 unedited
ATCTTGNCCGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTAAAGTGCCGCA
TGTTCTTTTTAGTTTCCATACATCGTCTGTCCCAGAGTGAGGAGAAGTTGTTCTCCTTCC
CACATCCACCACAGGCTGCGTGAGGGAAGCCTGGCTCCCCACAACCTTGCTCCTTCCAG
CCCTGCCCTCTCAATTAACAATGCTTTCTTTTTTCTTTTTTTTTTTTGGAGACGGAG
TCTTGCTGTCAACCGGGCTGGAGTGCAGTGGCGGATCTTGGCTCACTGCAAGTCCG
CCTCCTGGGTTACACCATTTCTCCAGCCTCAGCCTCCAAGCTGCTGGGACTACAGGCGC
CCACCACCACGCAAGCTAATTTTTTTGTATTTTTTTAGTAGAGACAGGGTTTCACTGTGT
TAGCCAGGATGGTCTCAATCTCCAACCTTGATCCACCACCTCGGCCTCCCAAAGTG
CTGGGATTACAGCGTGAGCCACTGTGCCTGGACTAAAACAATGCTTTCTAAAGCGATT
CTGCAGCCTGATGTGCCTGTGAGGTGACAGTTGTGGGAGGGACAAAACCTCTGCTCAAAG
AGGTTTGGGAGAGCCGGATACTTACCTCCCTTCTGTAAGTTTACACACACATTGGCC
ATAATAAAGGTCGCGAAAAACATTCAGGCCACTGATCTGGTTAGGCGCCCCCAAAAAC
TTGGGCACCAATCACCAGGACCTAGTGGACATTATGTGAATAAACTAGTGTATCCCAA
CGCGCCTCGAAAAACCTCTCTGAAAAAGTCCCCGGTAATCCCCTCCAGGGCCTTCAG
TCAAGGCTCCCGGGGCACCCGCCCGCACTGGCTCGGAAGATCAACGCCAGACCCCGCG
GAGAGCTGGCCCCGTGAGCAAATGGCGTGGGGCAATGGGCACACACCCCCCGCCT
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_015621

**Insert Size:**

3220 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_015621.1](#), [NP\\_056436.1](#)

**RefSeq Size:** 3416 bp

**RefSeq ORF:** 609 bp

**Locus ID:** 26112

**UniProt ID:** [A6NI79](#)

**Cytogenetics:** 5q33.1

**Gene Summary:** May act as a scaffold to regulate the recruitment and assembly of spindle midzone components. Required for the localization of AURKB and PLK1 to the spindle midzone. [UniProtKB/Swiss-Prot Function]