

## Product datasheet for **SC324954**

### CCDC68 (NM\_001143829) Human Untagged Clone

#### Product data:

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                        |
| Tag:                      | Tag Free                                                                                   |
| Symbol:                   | CCDC68                                                                                     |
| Synonyms:                 | SE57-1                                                                                     |
| Mammalian Cell Selection: | Neomycin                                                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                       |
| Fully Sequenced ORF:      | >SC324954 representing NM_001143829.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAACAGTGACAGTGACCACAGAAATCCCCAAGGGATAAGATGGAAGATAATTCTGCCTTGTAT
GAGTCTACGTCCGCTCACATTATTGAAGAAACCGAGTATGTGAAAAAGATTGGAACACTCTGCAAAAG
ATCAGGACCCAGATGTTTAAAGATGAAATAAGACATGACAGTACAAATCACAACTAGATGCAAAGCAC
TGTGGAACCTTCAACAGGGCTCTGATTCTGAAATGGATCCTTCTGTTGCAGTTTGGATTTGCTTATG
AAAAAGATAAAAGGAAAAGACCTACAGCTCTTAGAAATGAACAAAGAGAATGAAGTATTGAAATCAAG
CTGCAAGCCTCCAGAGAAGCAGGAGCAGCAGCTCTGAGAAACGTGGCCAGAGATTATTTGAAACTAC
CAAACGCAATCTGAAGAAGTGAGAAAGAAGCAGGAGGACAGTAAACAATTACTCCAGGTTAACAAGCTT
GAAAAAGAACAGAAATTGAAACAACATGTTGAAATCTGAATCAAGTTGCTGAAAACTTGAAGAAAA
CACAGTCAAATTACAGAATTGGAGAACCTTGTACAGAGAATGGAAGGAAAAAGAGAACTACTAGAA
AGAAAACTGTCTTTGGAACAAGCTACTGCAACTCAAATCCAGTGCTACATATGGAAGAAAGTTGCCAG
GATCTTCAGAGGGAGATTTCCATTCTCCAGGAGCAGATCTCTCATCTGCAGTTTGTGATTCACTCCCAA
CATCAGAACCTGCGCAGTGTCATCCAGGAGATGGAAGGATTAATAATTTAAAGAACAGACAAA
AGAATTGAAATCTCAGAGAAAGGTTAACATACTTGAAGCCAGAAATAAGAACTAAAAACCCAGGTA
GCACTTTCATCTGAAACTCCTAGGACAAAGGTATCTAAGGCTGTCTCTACAAGTGAATTGAAGACCGAA
GGTGTTCCTCTTATTTAATGTTGATTAGGTTACGGAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGGC
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|--------------------|--------------|
| Restriction Sites: | SgfI-MluI    |
| ACCN:              | NM_001143829 |



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|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Insert Size:</b>           | 1008 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                                                                                                                                                                                                                            |
| <b>OTI Annotation:</b>        | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                   |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq:</b>                | <a href="#">NM_001143829.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq Size:</b>           | 4033 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq ORF:</b>            | 1008 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Locus ID:</b>              | 80323                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID:</b>            | <a href="#">Q9H2F9</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cytogenetics:</b>          | 18q21.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>                    | 38.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Summary:</b>          | <p>Centriolar protein required for centriole subdistal appendage assembly and microtubule anchoring in interphase cells (PubMed:28422092). Together with CCDC120, cooperate with subdistal appendage components ODF2, NIN and CEP170 for hierarchical subdistal appendage assembly (PubMed:28422092).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p> |