

## Product datasheet for **SC318079**

### CCDC93 (NM\_019044) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC93 (NM_019044) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC93
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

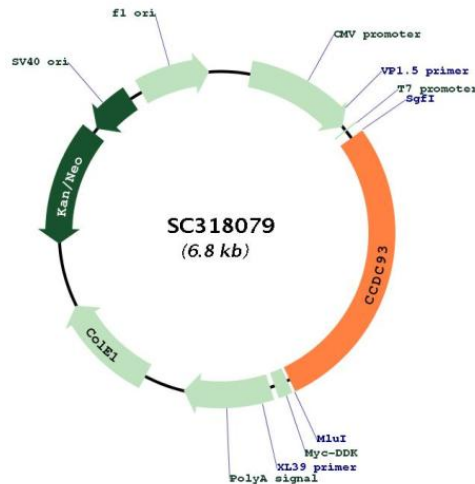


[View online »](#)

**Fully Sequenced ORF:** >SC318079 representing NM\_019044.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGTTGCCAGGGGGCCGAGGGCCAGGGTCTCCGGAGGTGAAACAAGAGAAGATGAAGAACA
AATGTCGAAGTTGACTGAAATTCGGAGCTCTTGGTTGCAGCTGGTATTTTCAGGGCAAGAATTAAGGC
TTATCACCTTTGACAAGGTAGTAGGAGGAATGACTTGGTGTATCACCCTTGAACCTTTGATGTAGAT
GTTGATTTGCTCTTTCAAGAAACTCTACGATAGGTCAAAAAATAGCTCTGTCAAAAAATTTGCTCG
GTCCTGCCAAGGATGAAATGCCACACCAGCTGGAGCCCCACCAGATCCAGGGGATGGATTTTATTCAC
ATATTTCTGTTTTCAGTGGCTGGTGAACGAGCTATAGAAACAAAAGAAGAGATGGGTGACTATATC
CGCTCCTACTCTGTATCCAGTTCAGAAAGACTTACAGTCTCCCTGAGGATGATGACTTCATAAAGAGA
AAAGAAAAGGCCATCAAGACAGTTGTGGACCTCTCAGAAGTGTACAAGCCCCGTCGGAAATACAAACGC
CACCAGGGAGCAGAGGAGCTACTTGTGAAGAATCTCGAATCCATGCTACACTTTTGAATATGGCAGG
AGATATGGATTTAGCCGCCAGAGCAAAATGGAGAAGGCTGAGGACAAGAAAACGGCACTTCCAGCAGGG
CTGTCACTACAGAAAAAGCTGATGCCACGAGGAAGATGAGCTTCGAGCAGCTGAAGAGCAGCGTATT
CAGTCGCTGATGACCAAGATGACCGCTATGGCAAATGAGGAGAGCCGCTCTCACCGCAAGCTCCGTGGC
CAGATTGTGGACTCTGCTCTGCTGAGATCAAGCAGATTGTGTCGAGTATGCAGAGAAGCAGTCTGAG
CTATCAGCTGAAGAAAGTCCAGAAAAATAGGAACCTCCAGCTACATCGCCGAAAGTCATTTCCCTTG
AACAAACAGATTGCGCAAAAGACCAACATCTTGAAGAGCTGCGAGCAAGTACACCAGCCTACAAGCC
AGATAAATGAAGCCAAGAAAACGCTGACAGAGCTGAAGACTTACAGTGAAGAACTGGACAAAGAGCAA
GCAGCCCTCGAGAAGATAGAATCCAAGCTGATCCAAGTATCCTACAGAACCTGAGAGCACTTGTAGCC
ATGAATGAAAATCTGAAAAGTCAAGAACAGGAATTTAAAGCACATTGTGAGAGGAGATGACACGACTA
CAGCAAGAAAATTGAAAACCTGAAAGCTGAGAGAGCACCCAGTGGAGATGAAAAGACCCTCTCCAGTGA
GAGCCGCTGGTACCTTGACCTCTGCAATGACTCATGACGAAGACCTAGACAGACGGTATAATATGGAG
AAAGAGAAAATTTACAAGATACGTTTACTACAGCTCGAAGAAATCGAGAAATAGCAATTTTGCACCGC
AAGATTGATGAAGTCCCTAGCCGTGCCGAGCTAATACAGTATCAGAAGAGATTTATTGAACTCTACCGC
CAGATTTAGCAGTGCACAAAGAAACCAAGCAGTTCTTCACTTTATATAATACCTGGATGATAAAAG
GTTTATTTGAAAAAGAGATTAGTCTGCTGAACCAATTCATGAGAACTTCTCACAGGCCATGGCCTCC
CCTGCTGCCCGGACCAGTTTTTACGTGAGTGAACAGATTGTGGAAGGAATTAAGCAAAGTAGAATG
AAGATGAAAAGAAAAGCAAGAGAACAAAATGAGAAGAGACCAGTTGAACGACCAGTACTTGGAGCTG
TTAGAAAAGCAGAGGCTATACTTTAAGACTGTGAAAGAGTTCAAGGAGGAGGGCCCAAGAACGAGATG
CTGCTGTCCAAGGTGAAAGCGAAGGCCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_019044

**Insert Size:** 1896 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\\_019044.4](#)

**RefSeq Size:** 6946 bp

**RefSeq ORF:** 1896 bp

**Locus ID:** 54520

**UniProt ID:** [Q567U6](#)

**Cytogenetics:** 2q14.1

**MW:** 73.2 kDa

**Gene Summary:** Component of the CCC complex, which is involved in the regulation of endosomal recycling of surface proteins, including integrins, signaling receptor and channels. The CCC complex associates with SNX17, retriever and WASH complexes to prevent lysosomal degradation and promote cell surface recycling of numerous cargos such as integrins ITGA5:ITGB1 (PubMed:28892079, PubMed:25355947). Involved in copper-dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery; the function is proposed to depend on its association within the CCC complex and cooperation with the WASH complex on early endosomes and is dependent on its interaction with WASHC2C (PubMed:25355947). [UniProtKB/Swiss-Prot Function]