

## Product datasheet for **MC206671**

### **Ccdc93 (BC054083) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc93 (BC054083) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc93
Synonyms:	4633402D15Rik; 9230102M16Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC054083  
 AGTTTCGGTTGTAGGGCCCGCTCTCTCCGGCTCCACATCAGCGCATCTGGATCATGGGGTTACCCAAGGGG  
 CCAGAGGGCCAGGGACTCCCGGAGGTGGAGACGAGAGAAGACGAAGAACAAGAATGTCAAGCTGACTGAAA  
 TCCTGGAGCTCTTGGTCGCAGCTGGCTATTTTCAGAGCAAGAATTAAGGCTTGTCTCCTTTGACAAGGT  
 AGTAGGAGGAATGACGTGGTGTATCACCACATGCAGCTTTGATGTGGACGTGGATTTGCTCTTTCAAGAA  
 AACTCTACAATCGGTGAGAAAATTGCTCTATCGGAAAAGATTGTCTCCGCTCTCCCAAGGATGAAGTGTC  
 CCCACCAGCTGGAGCCCCACCAGATCCAGGGCATGGATTTTATCCACATATTTCCCTGTCTGTCAGTGGCT  
 GGTGAAACGAGCTATCGAAACAAAGGAAGAGATGGGAGACTACATCCGCTCCTACTCCATCTCTCAGTTT  
 CAGAAGACCTACAGCCTCCCGGAGGATGATGACTTCATAAAGAGAAAAGACAAGGCCGTCAAGACGGTCCG  
 TTGGCCTCTCGGATGCTTACAAGCCCCGGCGAAAGTACCGACGGCAGCGGGGAGCAGAGGAGCTGCCAGA  
 CGAAGAGTCCCGAGTCCACTCCACACTTCTGGAATATGGCAGGAGATACGGATTTAGTCGCCAGAGCAAA  
 ACAGAGAAGGCTGAGGACAAGAAAACAGCACTTGTGCAGGGCTGTGAGTGCAGAGAAAGTGGATGCTC  
 ACGAGGAAGATGAGCTTCAGGCAGCCGAAGAGCAGCGTATTCAGTCACTGATGACCAAGATGACCGCCAT  
 GGCAAACGAGGAGAGCCGCTCACCGCAAGCTCCGTGGGCCAGATCGTGGGTCTCTGCTCTGAGGAGATC  
 AAGCAGATTGTGTCTGAGTACGCAGGGAAGCAGTCTGAGCTGTCCGCTGAAGAAAGTCCAGAGAAGTTAG  
 GAACCTCCAGCTGCATCAGCGGAAAGTCAATTTCTTGAATAAGCAGATTCTGCAGAAGAGCAAACATCT  
 GGAAGAGCTGCAAGCGAATCATACCAGCCTCAAAGCCAAGTACAGCGACAGGAAGAAGACTGACAGAG  
 TTGAAGGATCATGGTGAGAACTAGACAAAGAGCAGGCAGCCCTGGAGAAATTAGAAGCCAAAGCCGACC  
 CAAGCATGCTGCAGAACCTGAGAGCACTTGTAGCCATGAATGAAAGTCTGAAAAGCCAGGAGCAGGAGTT  
 TAAGGCACACTGCCGGGAGGAGATGGCTCGGCTACAACAGGAAATTGAGACCCCTGAAAGCTGAGAGAGCA  
 CCAGGTGAGAAGATCATCTCTGGTGGAGAGCCGAGGGTGCCTGACCTCCACCATGACTCACAATGAGG  
 ACCTGGACAGACGGTACAACATGGAAAAGAGAAGCTGTACAAGTCCGGTTACTACAGGCACGAAGAAA  
 TCGAGAAATAGCAATTTTGCATCGCAAGATTGACGAAGTGCCAGTCGAGCAGAGCTGATACAGTATCAG  
 AAGCGATTTATTGAACTTACCCTCAGATTTCCGCAAGTGCACAAGGAAACCAAGCAGTTCTTCACTTTGT  
 ACAATACCCTGGATGACAAAAGGTTTACTGGAGAAGGAGATTAGCCTGCTGAACTCTATTACAGAGAA  
 CTTCTCACAAGCCATGGCCTCCCCTGCTGCCCGGACCAGTTTTTAAGGCAGATGGAACAGATCGTCGAA  
 GGCATTAACAAAGCAGGATGAAGATGGAAGAAGAAGCAGGAGAACAAGATGAGGAGGGACCAGTTGA  
 ACGATCAGTACTTGGAGCTCCTGGAAAAGCAGAGGCTCTACTTCAAGACTGTGAAAGAGTTCAAAGAGGA  
 GGGCCGAAAGAATGAGCTATTACTATCTAAGATCAAAGCCAAGGCCTCCTGAAAACCTCCATCTCCGTTTC  
 TGGATGTCCTGATATTTTTTAAATGACGTGTATAGACTACAGGATCTTGACATGGTTCTGCCGGTATG  
 GCAGAGAGACCCAGGAAAATTCATTTTCAGTTCTCTAGACGGATGTTGCTTTCTCCTACTGTTTCAATTT  
 CGTCTCTCCTGGCTGCGGCTGATGGACTCAGAGCCCTACAAGAACCCTGGGCAGTGTGGATGACTCA  
 GAGCCCCATAGGCAGTGCCCACTCACTCTGACCACTCAACTTCCATTTCTTCAAGTACACTGCATTTATG  
 AAGGTACCGGATGTGTGCGGGCCCTGAGAATAAAGAGCATTATGTTTCAGCAAAAAAAAAAAAAAAAAAAAA AA

**Restriction Sites:** EcoRI-NotI

**ACCN:** BC054083

**Insert Size:** 1890 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:**

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:** [BC054083](#), [AAH54083](#)

**RefSeq Size:** 2312 bp

**RefSeq ORF:** 1890 bp

**Locus ID:** 70829

**Cytogenetics:** 1 E2.3

**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. 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.[UniProtKB/Swiss-Prot Function]