

Product datasheet for **RN213082**

Ccdc93 (NM_001024997) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc93 (NM_001024997) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc93
Synonyms:	MGC109336
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213082 representing NM_001024997
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGTTACCCAAGGGGCCGAGGGCCAGGGGCTCCCGAGGTGAAACGAGAGAAGACGAAGAACAGA
 ATGTCAAGCTGACTGAAATCCTGGAGCTTTGGTTGCGGCTGGCTATTTTCAGAGCAAGAATTAAGGCTT
 GTCTCCTTTTCGACAAGGTAGTAGGAGGAATGACGTGGTGTATCACCACCTGCAGCTTTGATGTGGATGTG
 GATTTGCTCTTTTCAGGAAAACCTACAATCGGTGAGAAAATAGCTCTGTCGGAAAAGATCGTCTCGGTCC
 TCCAAGGATGAAGTGCCCCACCAGCTGGAGCCCCACCAGATCCAGGGCATGGATTTTATCCACATCTT
 CCCTGTCGTGCAGTGGTGGTGAAGCGAGCTATAGAGACAAAGGAAGAGATGGGCGACTACATCCGCTCC
 TACTCCATCTCCAGTTCAGAAAGCTACAGCCTCCCGAGGATGATGACTTCATAAAGAGAAAAGACA
 AAGCCATCCAGACAGTCTGTGACCTCTCGGATGCTTACAAGCCCCGGCGAAAAGTACAGACGGCAGCAGGG
 AGCAGAGGAGCTACTGGACGAGGAGTCCCGGGTCCACTCCACGCTTCTGGAATATGGCAGGAGACACGGC
 TTTAGTCGTGAGACAAGACAGAGAAGGCTGAGGACAAGAAAACAGCGCTTGCTGCGGGGCTCTCAGCTG
 CAGAGAAAACGGATGCTCACGAGGAAGATGAGCTTCAAGCAGCTGAGGAGCAACGAATTCAGTCACTGAT
 GACCAAGATGACCGCCATGGCAAATGAGGAGAGCCGTCTCACCGCAAGCTCCGTGGGCCAGATCGTGGGT
 CTCTGCTCCGCCGAGATCAAACAGATTGTGTCTGAGTACGAAGGGAAGCAGTCTGAGCTGTCCGCTGAAG
 AAAGTCCAGAGAAATAGGAACCTCCCAACTGCATCAGCGGAAGGTCATTTCTTGAATAAACAGATTCT
 GCAGAAGACCAACATCTAGAAGAGCTGCAAGCGAATCATACCAGCCTCCAAGCCAAGTACAGCGACAAG
 AAGAAGACGCTGACAGAGCTGAAGAATCACGGTGAGAACTAGACCAAGAGCAGGCAGCCCTGGAGAAGT
 TAGAAGCCAAAGCCGACCCGAGCATTCTGCAGAACCTGAGAGACTCGTCGCCATGAATGAAAGTCTGAA
 AAGCCAGGAACAGGAGTTTAAAGCGCACTGCCGGGAGGAGATGGCTCGGCTCCAACAGGAAATTGAGATC
 CTGAAAGCCGAGAGAGCGCCAGGCGAGAAGACTATCTCCAGCGGAGAGCCGAGGGTGCCCTGACCTCCA
 CCATGACTCACAATGAGGACCTGGACAGACGGTACAACATGAAAAAGAGAAGCTGTACAAGATCCGGTT
 ACTACAGGCAAGAAGAAATCGAGAAATAGCGATTTTGCACCGCAAGATTGATGAAGTGCCAGTCGAGCA
 GAGCTGATACAGTATCAGAAGCGATTTATTGAGCTCTACCGTCAAGTTTCCGCGGTGCACAAGGAGACCA
 AGCAGTTCTTCACTTTGTACAATACCCTGGATGACAAAAAGGTTTATCTAGAAAAGGAGATTAGCCTGCT
 AAATCAATTCATGAGAACTTCTACAAGCCATGGCTCCCTGCTGCCGGGACCAGTTTTTAAGGCAG
 ATGGAACAGATCGTGAAGGCATTAACAAAGCAGGATGAAGATGAAAAGAAGAAGCAGGAGAACAAGA
 TGAGAAGGGACCAGTTGAACGATCAGTACTTGGAGCTCCTGAAAAGCAGCGGCTCTACTCAAGACTGT
 AAAAGAGTTCAAAGAGGAGGGCCGAAAAGATGAGCTATTACTGTCTAAGATCAAAGCCAAGGCCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001024997

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:	<ol style="list-style-type: none">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:	<u>NM_001024997.1</u> , <u>NP_001020168.1</u>
RefSeq Size:	2403 bp
RefSeq ORF:	1890 bp
Locus ID:	304743
UniProt ID:	<u>Q5BJT7</u>
Cytogenetics:	13q11
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]