

Product datasheet for **MR209592**

Ccdc93 (NM_001025156) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ccdc93 (NM_001025156) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ccdc93 |
| Synonyms: | 4633402D15Rik; 9230102M16Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR209592 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGTTACCCAAGGGGCCAGAGGGCCAGGGACTCCCGAGGTGGAGACGAGAGAAGACGAAGAACAGA
 ATGTCAAGCTGACTGAAATCCTGGAGCTTTGGTCGCAGCTGGCTATTTTCAGAGCAAGAATTAAGGCTT
 GTCTCCTTTTCGACAAGGTAGTAGGAGGAATGACGTGGTGTATCACCACATGCAGCTTTGATGTGGACGTG
 GATTTGCTCTTTCAAGAAACTCTACAATCGGTGAGAAAATTGCTCTATCGGAAAAGATTGTCTCCGTCC
 TCCAAGGATGAAGTGTCCCACCAGCTGGAGCCCACCAGATCCAGGGCATGGATTTTATCCACATATT
 CCCTGTCGTGCAGTGGCTGGTGAACGAGCTATCGAAACAAGGAAGAGATGGGAGACTACATCCGCTCC
 TACTCCATCTCTCAGTTCAGAAGACCTACAGCCTCCCGAGGATGATGACTTCATAAAGAGAAAAGACA
 AGGCCGTCAAGACGGTCTTTGGCTCTCGGATGCTTACAAGCCCCGGCGAAAAGTACCGACGGCAGCGGGG
 AGCAGAGGAGCTGCCAGACGAAGAGTCCCGAGTCCACTCCACACTTCTGGAATATGGCAGGAGATACGGA
 TTTAGTCGCCAGAGCAAAACAGAGAAGGCTGAGGACAAGAAAACAGCACTTGGCTGCAAGGGCTGTGAGCTG
 CAGAGAAAAGTGGATGCTCACGAGGAAGATGAGCTTCAGGCAGCCGAAGAGCAGCGTATTCAGTCACTGAT
 GACCAAGATGACCGCCATGGCAAACGAGGAGAGCCGTCTCACCGCAAGCTCCGTGGGCCAGATCGTGGGT
 CTCTGCTCTGAGGAGATCAAGCAGATTGTGTCTGAGTACGCAGGGAAGCAGTCTGAGCTGTCCGCTGAAG
 AAAGTCCAGAGAAGTTAGGAACCTCCAGCTGCATCAGCGGAAAGTCATTTCTTGAATAAGCAGATTCT
 GCAGAAGACAAACATCTGGAAGAGTGAAGGATCATGGTGAAGAACTAGACAAAGAGCAGGCAGCCCTGGAGAAAT
 TAGAAGCCAAAGCCGACCAAGCATGCTGCAGAACCTGAGAGCACTTGTAGCCATGAATGAAAGTCTGAA
 AAGCCAGGAGCAGGAGTTTAAGGCACACTGCCGGGAGGAGATGGCTCGGCTACAACAGGAAATGAGACC
 CTGAAAGCTGAGAGAGCACAGGTGAGAAGATCATCTCTGGTGGAGAGCCGAGGGTGCCCTGACCTCCA
 CCATGACTCACAATGAGGACCTGGACAGACGGTACAACATGGAAAAAGAGAAGCTGTACAAGATCCGGTT
 ACTACAGGCACGAAGAAATCGAGAAATAGCAATTTTGCATCGCAAGATTGACGAAGTGCCAGTCGAGCA
 GAGCTGATACAGTATCAGAAGCGATTTATTGAACTCTACCGTCAAGTTCCGCAGTGCACAAGGAAACCA
 AGCAGTTCTTCACTTTGTACAATACCCTGGATGACAAAAAGGTTTACCTGGAGAAGGAGATTAGCCTGCT
 GAACTCTATTACGAGAACTTCTACAAGCCATGGCTCCCTGCTGCCGGGACCAGTTTTTAAGGCAG
 ATGGAACAGATCGTCAAGGCATTAACAAAGCAGGATGAAGATGAAAAAGAAGAAGCAGGAGAACAAGA
 TGAGGAGGGACCAGTTGAACGATCAGTACTTGGAGCTCCTGAAAAAGCAGAGGCTCTACTCAAGACTGT
 GAAAGAGTTCAAAGAGGAGGGCCGAAAGAATGAGCTATTACTATCTAAGATCAAAGCCAAGGCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

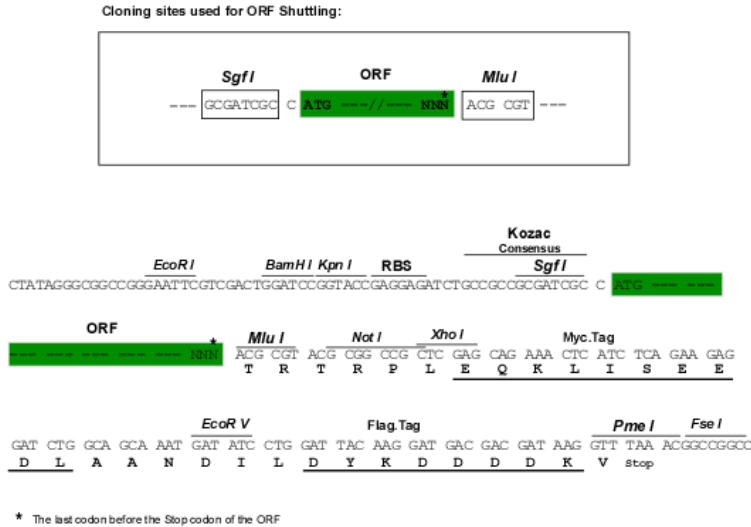
>MR209592 protein sequence
 Red=Cloning site Green=Tags(s)

MGLPKGPEGQGLPEVETREDEEQNVKLTEILELLVAAGYFRARIKGLSPFDKVVGGMTWCITTCFSDVDV
 DLLFQENSTIGQKIALSEKIVSVLPRMKCPHQLEPHQIQGMDFIHIFPVVQWLVKRAIETKEEMGDYIRS
 YSISQFQKTYSLPEDDDFIKRKDKAVKTVVGLSDAYKPRRYRRQRGAEELPDEESRVHSTLLEYGRRYG
 FSRQSKTEKAEDKKTALAAGLSAAEKVDAHEEDELQAAEEQRIQSLMTKMTAMANEE SRLTASSVGQIVG
 LCSEEIQIVSEYAGKQSEL SAEESPEKLGTSQLHQRKVISLNKQILQSKHLEELQANHTSLKAKYSDR
 KKTLTTELKDHGEKLDKEQAALKELEAKADPSMLQNLRALVAMNESLKSQEQEFKAHCREEMARLQGEIET
 LKAERAPGEKIIISGGEPQGALTSTMTHNEDLDRYNMEKEKLYKIRLLQARRNREIAILHRKIDEVPSRA
 ELIQYQKRFIELYRQISAVHKETKQFFTLYNTLDDKKVYLEKEISLLNSIHENFSQAMASPAARDQFLRQ
 MEQIVEGKQSRMKMEKKKQENKMRDQLNDQYLELLEKQRLYFKTVKEFKEEGRKNELLLSKIKAKAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001025156

ORF Size: 1890 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001025156.2](#)

RefSeq Size: 7272 bp

RefSeq ORF: 1890 bp

Locus ID: 70829

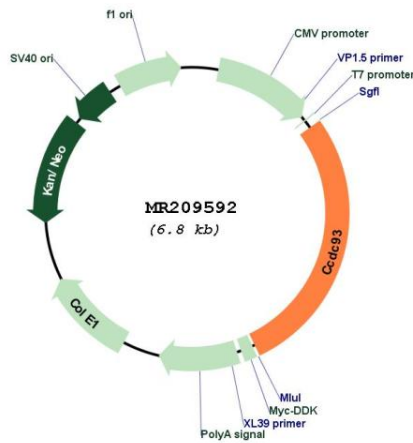
UniProt ID: [Q7TQK5](#)

Cytogenetics: 1 E2.3

MW: 72.6 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. 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]

Product images:



Circular map for MR209592