

Product datasheet for **MR207054**

Ccdc91 (NM_025911) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc91 (NM_025911) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc91
Synonyms:	1700086G08Rik; 1810060J02Rik; AU045683; AW555238; p56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207054 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGATGACGACTTTGGTGGCTTTGAGGCTGCAGAGACCTTTGATGGTGAGCAAGGAGGAAACCAAG
 CTGTGTCTCCTGCTGTCCCTGGGCCACCTTTCTGCAGTATCCGGAGTGCAGACTCTCACCAGCTTCTCC
 GGAGCTTATCCTGGACCATGACCACTCATCTCCATCCACTGGCCACCTCCCTCCAGATGCTGTCATTTCC
 TCAGCAGATGATACGCATGCAGATAGCAGCCTCATGAGTCAGACCATCTCCAAGGCTCAGATTCAGCAGT
 CAGCGCACACACATCTGAACATCCCTCTCTTCCCCTTGGTTAACGGATGAGCCGAGCCATGGAGCACT
 TGCCCTGGAGGATGAGCCTGAAGGTCCTGGAGTCCACGTGTCCAACCTCAGCTCCGGCAAAAAATATCA
 AGTCTGGAGACTAACTCAAAGCTTCTGAAGAAGAAAAGCAGAGAATAAAAAGGATGTGGAGTCACTGA
 TGGAGAAAACAGTGTCTGGAGAAAGGCTTCTGAAGGAAAAGGAGCAGGATGCTGTATCCTTTCAAGC
 CAGATACCGTGAGCTTCAGGAAAAACATAAACAAGAATTGGAAGACATGAGGAAGGCTGGGCACGAGGCG
 CTGAGCATTATAGTGGATGAGTACAAGGCACTTCTGCAGTCTTCAGTTAAGCAGCAGCTAGATGCCATCG
 AGAAGCAATATGTGTCTGCAATCGAGAAGCAAGCTCACCGGTGTGAGGAGCTCCTGCATGCTCAGCATCA
 GAGGCTTCTAGACGTGCTGGACACTGAGAAGGAACTGCTAAGAGAGAAAAATCCAGGAAGCTTTGACTCAG
 CAGTCACAGGAGCAGAAGGAATCACTGGAAAAGTGCCTCCAGGAGGAAAATGCAGAGGAACAAAGAGACAC
 TGGAGTCTGCTGTGAAGCTTGAGAAAGAAGCAATGAAAGATGTCATCACTAAAGCAGTGGGAGAAGAAAAG
 GAAAAATCTGGAGAAAGTTATGCCGAAGAAAGGAACTGTGGAAGACAGAACATGCAAGAGATCAGGAG
 AGGGTGGCAGAGGCCATCCAGGCCGCTGTGCAGGAGCAGCAGAGGATGAGTCAGGAAGCTGTCAAGGCCG
 CAATCGTAGAGGAGCAGAGGAGAAGTAAAAGGCCATGGAGGAAGCCGTAAGAGAACGAGGGACGAGCT
 GGTGGAATACGTGAGGGAGCAGAGAAGGCTCGATCAAGTACCCGCCAGGCTAGCCTGTCCAGCCTGGAG
 CTGTTCTCTCCTGCGCCAGAAGCAGCTGAGTGTCTAATAGCTACAGAGCCTGTTGACATTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207054 protein sequence
 Red=Cloning site Green=Tags(s)

MDDDDFGGFEEAETFDGEQGNQAVSPAVPWATFPAVSGVRLSPASPELILDHDHSSPSTGHLPPDAVIS
 SADDTHADSSLMSQTISKAQIQSAHHLNIPLFPLGLTDEPSHGALALEDEPEGPVHVSNSQLRQKIS
 SLETKLKASEEEKQRIKDVESLMEKHSVLEKGFLEKEQDAVSFQARYRELQEKHKQELDMRKAGHEA
 LSIIVDEYKALLQSSVKQLDAIEKQYVSAIEKQHRCEELLHAQHQRLLDVLDTKELLREKIQEALTQ
 QSQEQKESLEKCLQEEMQRNKETLESVAVKLEKEAMKDVIITKAVGEERENLEKVHAEERELWKTEHARDQE
 RVAEAIQAAVQEQRMSQEAVKAAIVEEQRRSEKAMEEAVKTRDELVEYVREQRRLDQVTRQRSLSSLE
 LFLSQAQKQLSALIATEPVDIE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_025911

ORF Size: 1329 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_025911.2](#), [NP_080187.2](#)
RefSeq Size: 2477 bp

RefSeq ORF: 1329 bp

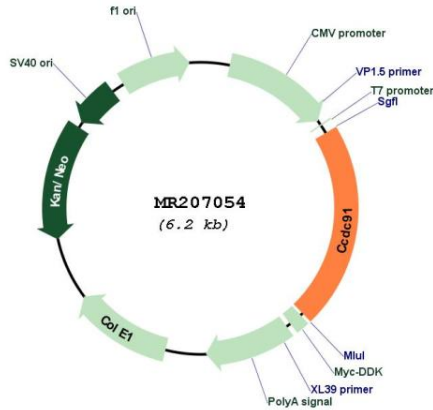
Locus ID: 67015

UniProt ID: [Q9D8L5](#)
Cytogenetics: 6 G3

MW: 50 kDa

Gene Summary: Involved in the regulation of membrane traffic through the trans-Golgi network (TGN). Functions in close cooperation with the GGAs in the sorting of hydrolases to lysosomes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207054