

Product datasheet for **MG207054**

Ccdc91 (NM_025911) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc91 (NM_025911) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc91
Synonyms:	1700086G08Rik; 1810060J02Rik; AU045683; AW555238; p56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207054 representing NM_025911 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGATGACGACTTTGGTGGCTTTGAGGCTGCAGAGACCTTTGATGGTGAAGGAGGAAACCAAG
CTGTGTCTCCTGCTGTCCCCTGGCCACCTTTCTGCAGTATCCGGAGTGCAGCTCTCACCAGCTTCTCC
GGAGCTTATCCTGGACCATGACCACTCATCTCCATCCACTGGCCACCTCCCTCCAGATGCTGTCAATTTCC
TCAGCAGATGATACGCATGCAGATAGCAGCCTCATGAGTCAGACCATCTCCAAGGCTCAGATTCAGCAGT
CAGCGCACACACATCTGAACATCCCTCTCTTCCCCTTGGTTTAAACGGATGAGCCGAGCCATGGAGCACT
TGCCCTGGAGGATGAGCCTGAAGGTCCTGGAGTCCACGTGTCCAACCTCTCAGCTCCGGCAAAAAATATCA
AGTCTGGAGACTAACTCAAAGTCTTCTGAAGAAGAAAAGCAGAGAATAAAAAGGATGTGGAGTCACTGA
TGGAGAAACACAGTGTCTGGAGAAAGGCTTCTTGAAGGAAAAGGAGCAGGATGCTGTATCCTTTCAAGC
CAGATACCGTGAGCTTCAGGAAAAACATAAACAAGAATTGGAAGACATGAGGAAGGCTGGGCACGAGGCG
CTGAGCATTATAGTGGATGAGTACAAGGCACTTCTGCAGTCTTCAGTTAAGCAGCAGCTAGATGCCATCG
AGAAGCAATATGTGTCTGCAATCGAGAAGCAAGCTCACCGGTGTGAGGAGCTCCTGCATGCTCAGCATCA
GAGGCTTCTAGACGTGCTGGACACTGAGAAGGAAGTGCCTCCAGGAGGAAATGCAGAGGAACAAAGAGACAC
CAGTCACAGGAGCAGAAGGAATCACTGGAAAAGTGCCTCCAGGAGGAAATGCAGAGGAACAAAGAGACAC
TGGAGTCTGCTGTGAAGCTTGAGAAAGAAGCAATGAAAGATGTCATCACTAAAGCAGTGGGAGAAGAAAG
GGAAAATCTGGAGAAAGTTCATGCCGAAGAAAGGAACTGTGGAAGACAGAACATGCAAGAGATCAGGAG
AGGGTGGCAGAGGCCATCCAGGCCGCTGTGCAGGAGCAGCAGAGGATGAGTCAGGAAGCTGTCAAGGCCG
CAATCGTAGAGGAGCAGAGGAGAAGTGAAGGCCATGGAGGAAGCCGTAAGAGAACGAGGGACGAGCT
GGTGAATACGTGAGGGAGCAGAGAAGGCTCGATCAAGTCACCCGCCAGCGTAGCCTGTCCAGCCTGGAG
CTGTTCTCTCCTGCGCCAGAAGCAGCTGAGTGTCTAATAGCTACAGAGCCTGTTGACATTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207054 representing NM_025911
 Red=Cloning site Green=Tags(s)

MDDDDFGGFEEAETFDGEQGGNQA VSPAVPWATFPAVSGVRLSPASPELILDHSHSSPSTGHLPPDAVIS
 SADDTHADSSLSMQTISKAQIQSAHTHLNIPLFPLGLTDEPSHGALALEDEPEPGVHVSNSQLRQKIS
 SLETKLKASEEEKQRIKKDVEISLMEKHSVLEKGFLEKEQDAVSFQARYRELQEKHKQELEDMRKAGHEA
 LSIIVDEYKALLQSSVKQLDAIEKQYVSAIEKQHRCEELLHAQHQRLLDVLDTTEKELLREKIQEALTQ
 QSQEQKESLEKCLQEEMQRNKETLESVAVKLEKEAMKDVI TKAVGEERENLEKVHAEERELWKTEHARDQE
 RVAEAIQAAVQEQRMSQEA VKAAIVVEEQRRESEKAMEEAVKRTRDELVEYVREQRRLDQVTRQRSLSSLE
 LFLSCAQKQLSALIATEPVDIE

TRTRPLE - GFP Tag - V

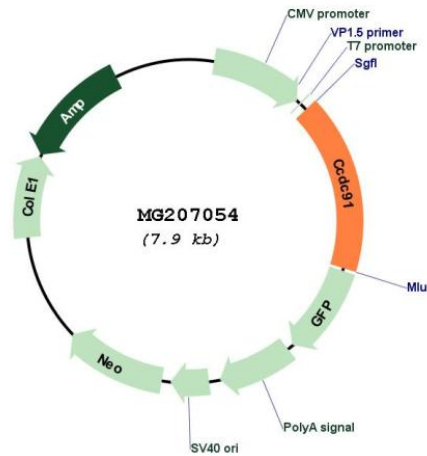
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_025911

ORF Size:	1326 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:	<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:	NM_025911.2 , NP_080187.2
RefSeq Size:	2477 bp
RefSeq ORF:	1329 bp
Locus ID:	67015
UniProt ID:	Q9D8L5
Cytogenetics:	6 G3
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]