

## Product datasheet for **MG218677**

### **Ccdc138 (NM\_001162956) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc138 (NM_001162956) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc138
Synonyms:	6230424H07Rik; BC042726
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG218677 representing NM\_001162956  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCGCAGGGTGGTCAAGCCACCGGACAGGATATGGTAGTGGAGCGTCTCAAAGCCGCTACGGCC  
 TGGCGGAAGGTGCCCGTGGAGGAAAACGACATGACTGGTGTGGGCTGCTCTGATGAATCAACAGCA  
 TGAACCTTCAGATTTTGACCAGACTAAATATAAAGAAGAATTGTGACCTCCCCAGATGGTTTAGATACT  
 TACAGCTCTGGAGATAAAGTGGTTCTCACCAAGATATTACTCTGATGGAAGGAATCATCCGACTCCAC  
 CTTTCTGCAGTTCCTTCAAACATTTAAATGTGAACTGCCTAGATGATGAACTGGATTCTTTTCATGATTT  
 AAAGAAATGGGAAACAGAAAAGGAATTAATGGAAGATGATCATAGAGATGGTGCCTCCAAAATAACAAG  
 CAGTCTTCAAAGAAATGGAAACCGATGCCTTGATGACTAGCATGGCCTCAGGCCTTGAGACTGAATGCT  
 GCAGTGGTTCCATTGACAGTCTCTGAAGCAGGCCGTGTACCCAAGACCCAAAGTGTCAAAGAAGCAGGG  
 TTTGCTTCCACATGAAATAAATCAAATATATGATGAATTATACCATATACATATGAAACTGCAGTATGAA  
 ACTACAGCACAGAAGAAATTTGCAGAAGAACTTCAAAAACGAGAACAGTTTTTAGCAGAACGAGAACAGC  
 TGCTTTTCAGCCATGAAACTGCCTTGAGCAAAATTAAGGTGTGAAAGAAGAGGTTCTGACAAGATTTCA  
 GATTTTAAAGGAGCAACATGGTACGGAAATTAACACTTAACTGAAGCTCTTAAGGAAAAGAATAAAGAG  
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 TCACTGTTTTTCATGGATTGGATATCAGACTGCCACCTTAGCAAAGTGGAGCCTGAGGAACCTGGTGTAGA  
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 GGGGGAAGACGTATTTAAAGGAGTTACAATGAAAGGAACTCAGGATAATTCTTTAGAGCATTCTGTGGAG  
 AACAAAGCAAAGACAGCAGTGTCTTCAAGAGCTCCAGCTTGCCACTGAGATTCTATCAACCTTAATTG  
 TCCTCAGAACGGTCACTCAAGCTGACTACCTAGCTCAAGCGTTTGACTCCCTTTGTTGGACTTGAAGAC  
 AGATGAAGGAAAACCTTATTTTGGAGTACCAAGCCATTCAGTAATCCTAAAACCTGAGAATATCC  
 AGTAAAGGGCTCTTATCCAATGTCATCGACAGCCTGCTTCAGATGACAGTAGAGTCAAAGTCCCTGCAGC  
 CATTCTGGAAGCCTGTAGTAACCTTTGTTTTTTCGACTTGTCTGTGCTGCTGCGAACGCCGAAACT  
 TGATCTTCACATCCTGAAAAGCTCAGCATCATCTACAGAAGCTTTCCAAAATCAAGAGTAAACAAGAAG  
 CTCTTTGAAGTTTTTACCATTACCTAATGCTTCAGGAAATACAAAGGACAACACATCCAGAGCACGCCT  
 TTCTCTGTATTAATCTGAATCAACTCTGTTCAACCTGGGTTTGACAAAATGTAACCTCCCTGGTCACTAG  
 TACAAGCCAT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG218677 representing NM\_001162956  
 Red=Cloning site Green=Tags(s)

```
MERRVVKPPGQDMVVERLKSRYGLAGRCPEENDMTGVWAALMNQOHELSDFDQTKYKRRIVTPDGLDT
YSSGDKVGSPPRYSDGRNHPTPPFCSSFKHLNVNCLDDELSFHDLKKWETEKELMEDDHRDGASKITK
QSFKEMETDALMTSMASGLETECCSGSIDSPKQAVYPRPKVSKKQGLLPHEINQIYDEL YHIHMKLQYE
TTAQKKFAEELQKREQFLAEREQLLFSHETALSKIKGVKEEVL TRFQILKEQHGTEIEHL TEALKEKNKE
NKRMRSFDTLRELNDNLRKQLNEVSEENKMEIQAKRVQARLDNLQRKYEFMTVQRLKGDShAAHEVKS
SKQEKAPAPKPFKAALNGQVYELLTVFMDWISDCHLSKVEPEEPGVDGGKPPAKPSQRSIDIQEKCVKLLP
MMTEQLQWMPLVSAKLHEPFVRFIYWSLRQLDASARQSTMASTLRRLGEDVFKGVTMKGTDNSLEHSVE
NKAKTAVFFKSSSLPLRFLSTLIVLRTVTQADYLAQAFDSLCLDLKTDEGKTLFLEYQAIIPVILKHLRIS
SKGLLSNVIDSLLQMTVESKSLQPFLEACNSLFFRTCSVLLRTPKLDLHILEKLSIILQKLSKIKSNKK
LFEVFTIHLMLQEIQRTHPEHAFLCINLNSTLFLNLGLTKCNLSLVTSTSH
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001162956

**ORF Size:** 2040 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\\_001162956.1](#), [NP\\_001156428.1](#)

**RefSeq Size:** 2466 bp

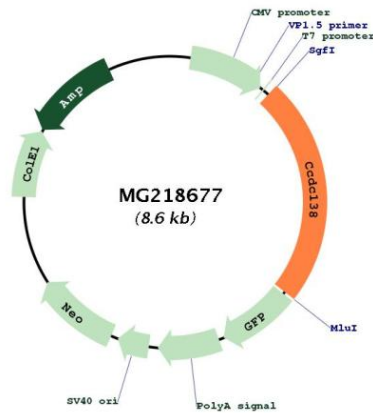
**RefSeq ORF:** 2043 bp

**Locus ID:** 76138

**UniProt ID:** [Q0VF22](#)

**Cytogenetics:** 10 B4

**Product images:**



Circular map for MG218677