

## Product datasheet for **MG220036**

### **Ccdc80 (NM\_026439) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc80 (NM_026439) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc80
Synonyms:	2610001E17Rik; DRO1; Ssg1; Urb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG220036 representing NM\_026439  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGTGAAAAATGGGACCCCACTTCACCACGCTCTTGCCATGTGGCTGGTGTGTGGCTCAGCATCTC  
 ATTCTCCTGCCTTGATAGCGACAGCCACACTGGACGAAAGTACCTTTGGTTTCTCCAATCAGCAGTAG  
 GTCAGCTCGGTATCTGAGGCACACCGGGAGGTCTGGTGGAGTTGAGAAATCCACCCAGGAAGAACCAAAAT  
 CCTCAGCCTTTCCAAAGGAGGAAGAGTGTACCAGTGTGAGATTAGCTCACCCGACCATGAGACCACCCC  
 CCTCAGGTATCAATGGAGTTCAGTCAGACCTGAGGTGAGACCCATAGCTAGGAGCTCGGCGCGTGAGAT  
 GGTCCGAGATGAGGGTCTTCTGCTCGGACAAGAATGTTGCGATTCCCCTCTGGATCTAGCTCTCCCAAT  
 ATCCTGGCCAGCTTTCAGGAAAGAACAGGGTATGGGTATCTCAGCCCCTCACGCCTCAGAGGGCTACT  
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 GAGCAGCCTCTGGACCCCAATCTCATCCCAAAGCTGATGAGCTTCTTGAAACTGGAGAAGGGCAAGTTTA  
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 CAGGCCTGGGCGGTGATAAGAGGAAAGAGGACCAAGGAGAACAAGTCCACCCACCAGAGAGGCTCC  
 GAGAAAGCAGGCCACCAGCAAGGCAGCCACTCCTCAGCCTCCCCAACTCCAAGGGCCACCACCTTCTCT  
 CCTGCTCCAGTCACGACAGCCACTCGGGCCACATCCCGGTAGTGACAATAGCCGCAAGACCTACAACCA  
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 TTAACAAGAGTAAAAGCAAGCAAGAAAGCTGAGAAAAAGACCAACAGGAGAAAGACAAGAATAGA  
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 TTTGGGTGTTGGAGAGGAAGTTGGAGGAGTTTTAGAAGTGTCCCAATTAATGGGAGCTCCATCGTTGAG  
 CGGAAGATGTGCCAGCCCACTTGGTCAAAGATATCCGCAACTATTTCAAGTGAGCCAGAGTACTTCT  
 CCATGCTTCTAGTTGGAAAAGATGGCAATGTTAAATCTTGGTATCCTTCTCCTATGTGGTCTGATGGTCA  
 CGTGTATGACTTAATTGATTCCATGCAACTTCGGAGACAGGAAATGGCCATTGAGCAGTCTCTGGGGATG  
 CGCTGCCAGAAGATGAGTATGCAGGATATGGTTACCATAGTTATACCAAGGATACCAGGATGGCTACC  
 AGGATGACTACCGTCATCATGAAAGTTACCACCATGGATACCCTTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG220036 representing NM\_026439  
 Red=Cloning site Green=Tags(s)

```
MMWKMGPHFTTLLAMWL VCGSASHSPALDSDSHTGRKVPLVSPISRSARYLRHTGRSGGVEKSTQEEP
PQPFQRRKSVPLRLAHPTRPPSPGINGVVRPEVRIARSSAREMVRDEGSSARTRMLRFPSSGSSPN
ILASFAGKNRVVVISAPHASEGYRLMMSLLKDDVYCELAERHIQQIVLFHQAGEEGGKVRITNEGQIL
EQPLDPNLIPKLSFLEKLEKGFMSVLLKKTQVEERYYPVRLVLEAMYEVIDQGPIRRRIEKIRQKGFVQK
CKASGIEGHVVQEGNEGGGAGGTGLGGDKRKEDPRRTQVHPTREAPRKQATSKAATPQPPPTPRATTL
PAPVTTATRATSRVVTI AARPTTTTAYPATQRPWTSRLHPFSVSHRPPATAEVTTARGPSVSEQLYPLPR
KEQQREKPAATTRPSKATNYGSFTATPPPTLWEVSARVVGTSRFRDNRTDKREHGHQDPNAVPGHPKVK
GKLPKKKDRILSNEYEDKYDLSQPTSSQGEERQVDSVPSQNAKESKKLEKLEKPEKEKKKKGSAKQDK
LLKSEKQAKKAEKKTQEKDKNKKKAGKTEQDDNQKPTAKHLAPSPKKSADLLGSFEGKRRLLITTP
KAENMYVQQRDEYLESFCKMATRRI SVVTIFGPVNNSSMKIDHFQLDNEKPMRVVDDDDLVDQHLISEL
RKEYGMTYDDFFMVLTDVLRVKQYYEVP IAMKSVFDLIDTFQSRIDMEKQKKEGIACKEDKRQLENF
LSRFRWRRRLLVISAPNDEDWAYSQQLSALNGQACNFGRLHITILKLLGVGEEVGGVLELFPINGSSIVE
REDVPAHLVKDIRNYFQVSPEYF SMLLVGKDGNVKSWYSPMWSMVIYDLIDSMQLRRQEMAIQQSLGM
RCPEDYAGYGYHSYHQYQDGYQDDYRHESYHHGYPY
```

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

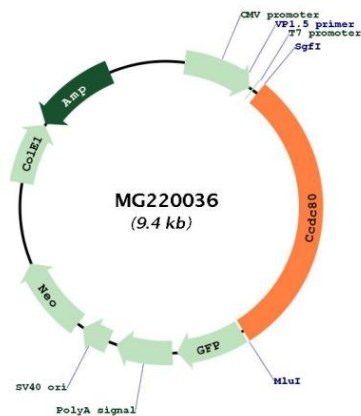


**ACCN:** NM\_026439

**ORF Size:** 2847 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\\_026439.3](#)
- RefSeq Size:** 3648 bp
- RefSeq ORF:** 2850 bp
- Locus ID:** 67896
- UniProt ID:** [Q8R2G6](#)
- Cytogenetics:** 16 B5
- Gene Summary:** Promotes cell adhesion and matrix assembly.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG220036