

## Product datasheet for **MG222246**

### Cfc1 (NM\_007685) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cfc1 (NM\_007685) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cfc1  
**Synonyms:** AV265756; b2b970Clo; cryptic  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG222246 representing NM\_007685  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGAGCGAACTACCAACCCAGGGTATCAGTTTGAAAATGCATCAAGCCAGGCCTCTGTTTTGGTGA  
 CTGTCGCGCTGCAGCTCATCGGTCTGGGATACAGTTATCAGAGCGAAGGAGATGGTGCCAGAGAAGTCAG  
 CAATATCCTCTCCTCAGTGATCCCCGGGACGACACTGGACAGAACTCTGAGTAATCCAGCAGAAAGAT  
 GACATTCGGAGGGGGCGCGCTATGGGATTCCTTCTGACTCCAGCACTTTGGGAGAGAGTGCAGTCC  
 CTGTATCCGCTGTTGCCACAATGGCGGCACCTGTGTTCTGGGCAGTTTCTGCGTGTGCCCTGCCTATTT  
 CACTGGTTCGCTATTGCGAGCAGCAGCAGAGGCGCAGAGACTGTGGTGCCCTAGGGCATGGAGCTTGACC  
 CTGCACAGCTGCCGCTATGCAGGTGCATCTTCTCAGCCCTGACTGCCTCCCACACCAAACGTTTCAGCC  
 ACTGTGACCTGAAAAGCTTCCTTTCTTCAGGCGCCAGAGGATCAAGAGAATGCAGCATCCCAAGCCTCCT  
 CCTGCTGGTGCTCTGCCTCCTCTGCAGGGTGTGGCTGGTAAGGGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG222246 representing NM\_007685  
 Red=Cloning site Green=Tags(s)

MRANSPTQGISLKMHQARPLFLVTVALQLIGLGYSEQSEGDGAREVSNILSPVIPGTTLDRTLNSSSRKN  
 DIPEGARLWDSL PDSSTLGESAVPVSRCHNGGTCVLSGFCVCPAYFTGRYCEHDQRRRDCGALGHGAWT  
 LHSCRLCRCIFSALYCLPHQTFSHCDLKSFLSSGARGSRCSIPSLLLLVLCLLLQGVAGKG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

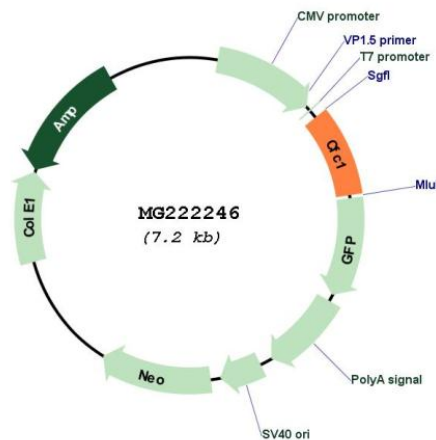


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_007685

ORF Size: 606 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\\_007685.2](#), [NP\\_031711.1](#)

**RefSeq Size:** 1038 bp

**RefSeq ORF:** 609 bp

**Locus ID:** 12627

**UniProt ID:** [P97766](#)

**Cytogenetics:** 1 B

**Gene Summary:** Nodal coreceptor involved in the correct establishment of the left-right axis. May play a role in mesoderm and/or neural patterning during gastrulation.[UniProtKB/Swiss-Prot Function]