

Product datasheet for **MR222246**

Cfc1 (NM_007685) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cfc1 (NM_007685) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cfc1
Synonyms: AV265756; b2b970Clo; cryptic
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222246 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAGCGAACTACCAACCCAGGGTATCAGTTTAAAAATGCATCAAGCCAGGCCTCTGTTTTGGTGA
 CTGTCGCGCTGCAGCTCATCGGTCTGGGATACAGTTATCAGAGCGAAGGAGATGGTGCCAGAGAAGTCAG
 CAATATCCTCTCCAGTGATCCCCGGGACGACACTGGACAGAACTCTGAGTAATCCAGCAGAAAGAAT
 GACATTCGGAGGGGGCGCGCTATGGGATTCCTTCTGACTCCAGCACTTTGGGAGAGAGTGCAGTCC
 CTGTATCCGCTGTTGCCACAATGGCGGCACCTGTGTTCTGGGCAGTTTCTGCGTGTGCCCTGCCTATTT
 CACTGGTTCGCTATTGCGAGCAGACCAGAGGCGCAGAGACTGTGGTGCCCTAGGGCATGGAGCTTGACC
 CTGCACAGCTGCCGCTATGCAGGTGCATCTTCTCAGCCCTGACTGCCTCCCACACCAAACGTTTACGCC
 ACTGTGACCTGAAAAGCTTCTTTCTTCAGGCGCCAGAGGATCAAGAGAATGCAGCATCCCAAGCCTCCT
 CCTGCTGGTGCTCGCTCCTCTGCAGGGTGTGGCTGGTAAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222246 protein sequence
 Red=Cloning site Green=Tags(s)

MRANSPTQGISLKMHQARPLFLVTVALQLIGLGYSYQSEGDGAREVSNILSPVIPGTTLDRTLNSSSRKN
 DIPEGARLWDSLPSSTLGE SAVPVSRCHNGGTCVLGSGFCVCPAYFTGRYCEHDQRRRDCGALGHGAWT
 LHSCRLCRCIFSALYCLPHQTFSHCDLKSFLSSGARGSRCSIPSLLLLVLCLLLQGVAGKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007685

ORF Size: 609 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

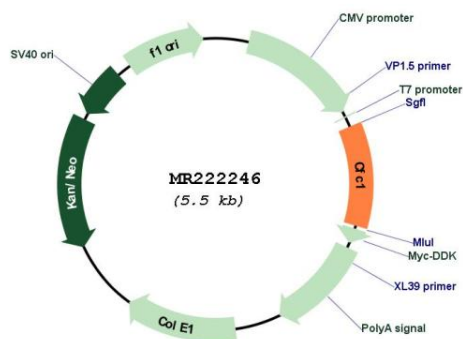
RefSeq ORF: 609 bp

Locus ID: 12627

UniProt ID: [P97766](#)

Cytogenetics:	1 B
MW:	21.8 kDa
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]

Product images:



Circular map for MR222246