

## Product datasheet for **SC332927**

### **CFC1 (NM\_001270420) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CFC1 (NM_001270420) Human Untagged Clone
Tag:	Tag Free
Symbol:	CFC1
Synonyms:	CFC1B; CRYPTIC; DTGA2; HTX2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332927 representing NM_001270420. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGACCTGGAGGCACCATGTCAGGCTTCTGTTTACGGTCAGTTTGGCATTACAGATCATCAATTTGGGA
AACAGCTATCAAAGAGAGAAACATAACGGCGGTAGAGAGGAAGTCACCAAGGTTGCCACTCAGAAGCAC
CGACAGTCACCGCTCAACTGGACCTCCAGTCATTTCCGAGAGGTGACTGGGAGCGCCGAGGGCTGGGGG
CCGGAGGAGCCGCTCCCCTACTCCCGGGCTTTCCGAGAGGTGAATGCGGCGCCCTGGAGCACGGAGCCT
GGACCTCCGCGCCTGCCACCTCTGCAGGTGCATCTTCCGGGGCCCTGCACTGCCTCCCCCTCCAGACGC
CTGACCGCTGTGACCCGAAAGACTTCTGGCCTCCCACGCTCACGGGCCGAGCGCCGGGGCGCGCCCA
GCCTGCTACTCTTGCTGCCCTGCGCACTCCTGCACCGCCTCCTGCGCCCGGATGCGCCCGCGCACCTC
GGTCCCTGGTCCCTTCCGTCTCCAGCGGGAGCGGCGCCCTGCGGAAGGCCGGACTTGGGCATCGCC
TTTAATTTTCTATGTTGTAATAA
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001270420
Insert Size:	576 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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**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\\_001270420.1](#)

**RefSeq Size:** 1562 bp

**RefSeq ORF:** 576 bp

**Locus ID:** 55997

**UniProt ID:** [P0CG37](#)

**Cytogenetics:** 2q21.1

**MW:** 20.3 kDa

**Gene Summary:** This gene encodes a member of the epidermal growth factor (EGF)- Cripto, Frl-1, and Cryptic (CFC) family, which are involved in signalling during embryonic development. Proteins in this family share a variant EGF-like motif, a conserved cysteine-rich domain, and a C-terminal hydrophobic region. The protein encoded by this gene is necessary for patterning the left-right embryonic axis. Mutations in this gene are associated with defects in organ development, including autosomal visceral heterotaxy and congenital heart disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (2) lacks an exon in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.