

Product datasheet for **SC332928**

CFC1 (NM_001270421) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CFC1 (NM_001270421) Human Untagged Clone
Tag: Tag Free
Symbol: CFC1
Synonyms: CFC1B; CRYPTIC; DTGA2; HTX2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332928 representing NM_001270421.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGACCTGGAGGCACCATGTCAGGCTTCTGTTTACGGTCAGTTTGGCATTACAGATCATCAATTTGGGA
AACAGCTATCAAAGAGAGAAACATAACGGCGGTAGAGAGGAAGTCACCAAGGTTGCCACTCAGAAGCAC
CGACAGTCACCGCTCAACTGGACCTCCAGTCATTTGGAGAGGTGACTGGGAGCGCCGAGGGCTGGGGG
CCGGAGGAGCCGCTCCCCTACTCCCGGGCTTTGGAGAGGACCCGAAAGACTTCTGGCCTCCCACGCT
CACGGGCCGAGCGCCGGGGCGCGCCAGCCTGCTACTCTTGCTGCCCTGCGCACTCTGCACCGCCTC
CTGCGCCCGGATGCGCCCGCGCACCTCGGTCCCTGGTCCCTCCGTCCCTCCAGCGGGAGCGGCGCCCC
TGCGGAAGGCCGGGACTTGGGCATCGCCTTAA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001270421
Insert Size: 447 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_001270421.1](#)

RefSeq Size: 1452 bp

RefSeq ORF: 447 bp

Locus ID: 55997

UniProt ID: [P0CG37](#)

Cytogenetics: 2q21.1

MW: 16.4 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 (3) lacks two exons in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.