

## Product datasheet for **RC228984**

### CHFR (NM\_001161346) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHFR (NM_001161346) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CHFR
Synonyms:	RNF116; RNF196
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

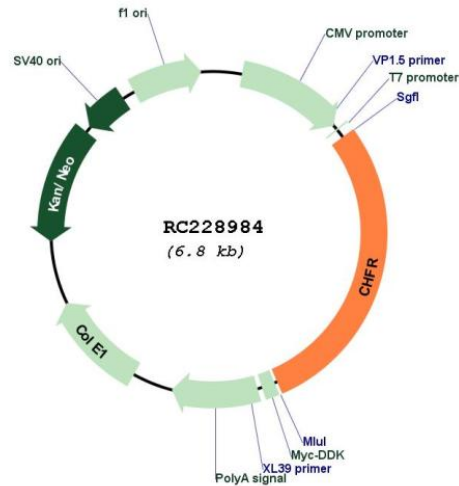
>RC228984 representing NM\_001161346  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGAGCGGCCGAGGAAGCAAGCAGTCGCCGCCGCGAGCCCTGGGACGGCTCCTGCGTCTGGCG  
CGGAGGAGGGCGAGCCGACGTCCTCCTGAGGAAGCGGGAGTGGACCATCGGGCGGAGACGAGGTTGCGA  
CCTTCTCCTCCAGCAATAAACTGGTCTCTGGAGATCACTGTAGAATTGTAGTGGATGAAAAATCAGGT  
CAGGTGACACTGGAAGATACCAGCACCAGTGAACAGTGATTAACAAGCTGAAGGTTGTTAAGAAGCAGA  
CATGCCCTTACAGACTGGGGATGTCATCTACTTGGTGTACAGGAAGAATGAACCGGAACACAACGTGGC  
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GCAGGGCGAGGGGCCGATCCCCGGTCCCTCCGTCGTCGCCGCCACTCAGGTGTCTTTGAGGAACCAC  
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GCAAGTGTGAAGTCTCCAGCTTTCCTCAGCTCTCCAGACAGAAAGACTGCGTCTTTTCGTCGTTGG  
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CGGGCAGTTGTTGGTCGACAACCCGAGAAAATGCCAAACCGTCCACGAGGACGTGAGCAGCGGCT  
GGGAAGCCAGACAAGATGGAGGAGACGCTGACATGCATCATCTGCCAGGACCTGCTGCACGACTGCGTGA  
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CTCAAGCATGCTGCAGCCAAAGTCAGCGGCTTTTTCTGATGAAGAAGGGAGTTCAGAGGACCTGCT  
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AGGAAGCCACGCCCTGTGCACCTGCTGCTTCCAGCCATGCCCGACCGGAGAGTGGAGCGGAGCAGGAC  
CCGCGTGTGCCCTCAGCAGTGTGCGGCTGCTGCAGCCTTCTGCCACCTGTACTGGGGCTGCACCC  
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GCTGAACAACAACAGCTACGAGTCAGACATCCTGAAGAATTACCTGGCAACCAGAGGTTTGACATGGAAA  
AACATGTTGACCGAGAGCCTCGTGGCTCTCCAGCGGGAGTGTCTGCTGTCTGATTACAGAGTCACGG  
GAGACACCGTTCTGTGTTACTGCTGTGGCTGCGCAGCTTCCGTGAGCTGACCTATCAGTATCGGCAGAA  
CATTCTGCTTCCGAGTTGCCAGTGGCCGTAACATCCCGTCTGACTGCTACTGGGGCCGTAACCTGCCG  
ACTCAGGTGAAAGCTCACCACGCCATGAAATTCATATCTGTGAACAGACAAGGTTCAAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Plasmid Map:**


**ACCN:** NM\_001161346

**ORF Size:** 1956 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\\_001161346.1](#), [NP\\_001154818.1](#)

RefSeq ORF: 1959 bp

Locus ID: 55743

UniProt ID: [Q96EP1](#)

Cytogenetics: 12q24.33

Protein Families: Druggable Genome

MW: 71.9 kDa

**Gene Summary:** This gene encodes an E3 ubiquitin-protein ligase required for the maintenance of the antephasis checkpoint that regulates cell cycle entry into mitosis and, therefore, may play a key role in cell cycle progression and tumorigenesis. The encoded protein has an N-terminal forkhead-associated domain, a central RING-finger domain, and a cysteine-rich C-terminal region. Alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq, Mar 2014]