

## Product datasheet for RC215341

### HCFC1 (NM\_005334) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HCFC1 (NM_005334) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HCFC1
Synonyms:	CFF; HCF; HCF-1; HCF1; HFC1; MRX3; PPP1R89; VCAF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC215341 representing NM_005334 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTTCGGCCGTGTCGCCCGCAACTTGCCAGCGGTGCTTCTGCAGCCCCGTGGAAGCGAGTGGTGG  
GCTGGTCGGGTCCGGTGCACGGCCCCGCCACGGCCACCGCGCCGTGGCCATCAAGGAGCTCATCGTGGT  
GTTTGGCGCGGCAACGAGGGAATAGTGGACGAACTGCACGTGTACAACACGGCAACCAACAGTGGTTC  
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**Protein Sequence:**

>RC215341 representing NM\_005334  
 Red=Cloning site Green=Tags(s)

MASAVSPANLPAVLLQPRWKRVRVWVSGPVPVPRRHGRAVAIKELIVVFGGNEGIVDELHVYNTATNQWF  
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 PELPAAVDLSSSTGEPSSGQESAGSAVVATVVVQPPPPTQSEVDQLSLPQELMAEAQAGTTLMVMTGLTPE  
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 VQSSSLNAHIDYTTKPAIIFRIARNEKGYGPATQVRWLQETSKDSSGTPANKRPMSSPEMKSAPKKS  
 KADGQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_005334.3](#)

**RefSeq Size:** 8436 bp

**RefSeq ORF:** 6108 bp

**Locus ID:** 3054

**UniProt ID:** [P51610](#)

**Cytogenetics:** Xq28

**Protein Families:** Transcription Factors

**MW:** 208.6 kDa

**Gene Summary:**

This gene is a member of the host cell factor family and encodes a protein with five Kelch repeats, a fibronectin-like motif, and six HCF repeats, each of which contains a highly specific cleavage signal. This nuclear coactivator is proteolytically cleaved at one of the six possible sites, resulting in the creation of an N-terminal chain and the corresponding C-terminal chain. The final form of this protein consists of noncovalently bound N- and C-terminal chains. The protein is involved in control of the cell cycle and transcriptional regulation during herpes simplex virus infection. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]