

## Product datasheet for **SC108617**

### Host cell factor C2 (HCFC2) (NM\_013320) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Host cell factor C2 (HCFC2) (NM_013320) Human Untagged Clone
Tag:	Tag Free
Symbol:	Host cell factor C2
Synonyms:	HCF-2; HCF2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_013320, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCTCCCAGCCTCCTCAACTGGAGGCGAGTTTCTTCTTCACGGGGCCGGTCCCCCGCGCCCGGC
ACGGACACCGAGCGGTGGCCATCCGGGAGCTGATGATCATCTTTGGAGGGGAAAATGAGGGCATCGCGGA
TGAGCTGCACGTCTACAACACGGCTACGAATCAGTGGTTCTGCCAGCTGTTAGAGGAGATATCCCTCCA
GGCTGTGCTGCCATGGATTTGTCTGTGATGGTACCAGAATATTAGTATTTGGGGGAATGGTTGAATATG
GAAGATACAGCAATGAGTTATATGAGTTACAAGCAAGTCGTTGGTTATGAAAAAAGTGAAACCCCATCC
CCCTCCTTCTGGTTACCTCCTGTCTCGGCTTGGACATAGCTTCTCTTTATATGGTAACAAATGCTAT
TTGTTTGGTGGCCTGGCAAACGAAAGCGAAGATTCAAACAATAATGTTCCAGATATTTAAATGATTTTT
ATGAGTTGGAGCTACAGCATGGCTCTGGTGTGTGGGTTGGAGCATTCCAGTGACTAAAGGGGTTGTGCC
TTCTCCAAGAGAATCCCACACAGCTGTTATATTTGCAAAAAAGATTCTGGAAGTCCTAAAATGTATGTT
TTTGGTGAATGTGTGGTCTCGCCTGGATGACCTATGGCAGCTTGACTTAGAACTATGTCATGGTCAA
AACCAGAACTAAAGGGACAGTGCCACTCCACGAAGCCTTCATACAGCCAGTGTATAGGAAACAAGAT
GTACATTTTTGGTGGATGGGTCCACATAAGGGGGAAAATACTGAGACTTCACCTCATGATTGTGAATGG
AGATGTACCAGTTCATTTTCTTACCTAAATCTGGATACAACAGAGTGGACCACCCTAGTATCAGATTCTC
AGGAAGATAAAAAAATTCAAGACCAAGACCAAGAGCTGGCCACTGTGCTGTTGCAATCGGCACTCGATT
GTATTTTTGGAGTGGAAGAGATGGCTACAAAAAGCACTGAATAGTCAAGTTTGTGCAAGGATCTTTGG
TATCTTGATACTGAGAAACCACCGGCACCATCTCAAGTACAGCTGATCAAAGCCACTACCAACTCCTTTC
ATGTCAAGTGGATGAAGTGTCTACAGTTGAGGGCTATCTTTGTCAGTTGAGTACAGACTTGCCATACCA
AGCTGCATCATCAGATTCTTACGACACCAAAATGCAAGGAGTCAGGATGGACCCTCACAGACAAGGC
AGTAATAACATCGTTCCTAACAGTATCAATGATACAATAAACAGCACAAAACTGAACGCCAGCCACAA
AAGAAACTTCAATGAAAAACAAACCAGACTTTAAAGCACTGACGGATTCTAATGCCATTTTATATCCATC
TTTGGCATCAAATGCTTCTAATCATAATAGTCATGTGGTGGATATGCTAAGGAAAAATGAAGTCTCAC
ACTTCAGCAAATGTAGGTGTTCTAAGTAGTTGCCTGGATGTAAGAACAGTAATTCCTGAAACATCTGTAT
CCAGTACTGTTTCCAGCACACAACTATGGTAACCCAGCAGACCATTAAGTGAATCATCCAGTACAAA
TGGGGCAGTTGTTAAAGATGAACTTCACTAACAACTTCACTACCAATCTGAAGTTGATGAAACATAT
GCACTGCCTGCAACGAAGATCAGCCGTGTAGAGACACATGCTACAGCAACGCCGTTTTCTAAAGAGACTC
CTTCAAATCCAGTGGCCACAGTAAAGCGGGAGAACGACAATGGTGTGATGTGGGATTTTTAAAAATAA
TACAGCTTTGGTGGAGCCAGTTTTATTTGCTGCCAAAAGGGAAGCAAAGCATCTCAAAGGTAGGAAATGCA
GATGTACCTGACTACAGCTTGTAAAGAAACAAGATCTTGTCCAGGCACAGGATACAGATTCAGGGTTG
CTGCAATCAATGGTTGTGGGATAGGTCCTTTCAGCAAAATCAGTGAATTTAAACTTGTATTCTGGTTT
TCTGGAGCTCCTTCTGCAGTCAGAATTTCAAAGAATGTTGAAGGTATCCACCTTCTGGGAACTCCA
ACCTCACCTTCTGGAAATATTTTGAATATTCAGCCTACTTGGCTATCCGCACAGCACAGATACAAGATA
ATCCAAGTCAACTGTGTTTATGAGGATTTATTGTGGTCTTAAGACATCATGTATAGTAACTGCTGGGCA
ACTTGCAAATGCACATATTGATTATACATCCAGGCCTGCCATTGTGTTCCAGGATATCAGCAAAGAATGAA
AAGGGATATGGACCAGCTACACAAGTTCGGTGGCTTCAAGGTAACAATAAGAAAGCACCTTTAAATTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_013320 unedited  
 TGCAGCATTTTGTAAACGAACACTACTATAGGGCGGCCGGAATTCGCACGAGGGAAGAG  
 GCGGCTCCCAGCCTCTCAACTGGAGGCGAGTTTCTTCTTCACGGGGCCGGTCCCCCGC  
 GCCCGGCACGGACACCGAGCGGTGGCCATCCGGGAGCTGATGATCATCTTTGGAGGGGA  
 AATGAGGGCATCGCGGATGAGCTGCACGTCTACAACACGGCTACGAATCAGTGGTTTCTG  
 CCAGCTGTTAGAGGAGATATCCCTCCAGGCTGTGCTGCCCATGGATTTGTCTGTGATGGT  
 ACCAGAATATTAGTATTTGGGGGAATGGTTGAATATGGAAGATACAGCAATGAGTTATAT  
 GAGTTACAAGCAAGTCGTTGGTTATGGAAAAAGTGAAACCCCATCCCCCTCCTTCTGGT  
 TTACCTCCTTGTCTCGGCTTGGACATAGCTTCTTTTATATGGTAACAATGCTATTTG  
 TTTGGTGGCCTGGCAAACGAAAGCGAAGATTCAAACAATAATGTTCCCAGATATTTAAAT  
 GATTTTTATGAGTTGGAGCTACAGCATGGCTCTGGTGTGTGGTTGGAGCATTCCAGTG  
 ACTAAAGGGGTTGTCCTTCTCCAAGAGAATCCCACACCGCTGTTATATTTGCAAAAAA  
 GATTCTGAAAAGTCCTAAATGTATGTTTTTGGTGAATGTGTGGTCTCGCCTGGATGAC  
 CTATGGCAGCTTGACTTAGAACTATGTCATGTTCAAACCCAGAATAAAGGGACAGTGCC  
 ACTTCCACGAAGCCTCATACAGCCAGTGTATAGGAAACCAGATGTACATTTTTTGGTGG  
 ATGGGTCCACATNAGGNGNAAATACTGAGACTTACCTCATGATTGTGAATGGAGAGTA  
 CCCGTTCAATNTCTACCTAATCTGGAACACAGAGTGGC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_013320 unedited  
 AGTAGTGCATTTATTTTTTCTTAGCAGTTTGGTAAACCACTCATTATGTGTCTAACAA  
 TTTGCATATTTTCTTCAAGAGAACTTAATTAGTGAGACACATTAATTACAAATACTGTA  
 GTAAAAAATCCCAGTTCTTTACAAAAATTATATATTAATAATTTCTATACACTTTAAAT  
 TAGTAACTGGAACACACATATATCAATTCTGCACAATTAATCCATCTTTGCTGGGGG  
 GTATCATACATGAAATTTGAGGACATAGCTACTCAGTCAACCTAAACTGGCATAAGGTTA  
 TGTGGTATAAAAAAGATAGACCTGTGCCCTGCAGTTATTGAAGCTCTTAGTTTGAAAT  
 ATCTTTTCTGCAATTTGCTCTGTATATTAATCCAGATTTAAATAGGCAGTGGAAACCA  
 TGAAATTCCTAAAAGGTTTAAAACAAGTTACCTGTAGCAGAGTGTATAATGCCTATCT  
 GTATCTTTAAGGTTGTAATGGAACCTGAGTTAGCTGTCTAATGCTTATATTTTCATAGTA  
 AAAAAGTCTATACAATTTCAAGGTAAAAACAATGCAAAAAATAAACATTTAGAGCATTTA  
 CAAAAATCTTACAAACGTTTAAAACACTATTTTAAAACCTGTGTCCTGTTAAAGTGCTTG  
 TTTTTTCTCAATAGGAGGACATATACTTTAATTTTGAATTCAATTCTGAAGATTTTAAT  
 TTTTACCAAAGCAAAATAGAGCCATTCAGACAGATGAAAATGTCATGGGCATACTTAACT  
 TCTACTAAAAACACAAACCTTAATGCTGAAAAGGACCCTAAAGATAACTGGTTCACCTTCC  
 CCACTCGCTCGAGGAAATGACGGCCAGATAAGTTAGTGCTTTGTCCAAAACATTTCAAAT  
 TATTGGCTGCTAGAAAAAAAACACTATTGGTCTGTTGATCCAACCTGACCTGGAAAAACA  
 CAGTTCAAGCACTCTTAAACTGCCTCTTTAATCTTAACTTTG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_013320

**Insert Size:**

4740 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).

**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\\_013320.1](#), [NP\\_037452.1](#)

**RefSeq Size:** 2583 bp

**RefSeq ORF:** 2379 bp

**Locus ID:** 29915

**UniProt ID:** [Q9Y5Z7](#)

**Cytogenetics:** 12q23.3

**Domains:** FN3, Kelch

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes one of two proteins which interact with VP16, a herpes simplex virus protein that initiates virus infection. Both the encoded protein and the original Herpes host cell factor interact with VP16 through a beta-propeller domain. The original Herpes host cell factor, however, is effective at initiating viral infection while the encoded protein is not. Transcripts of varying length due to alternative polyadenylation signals have been described. [provided by RefSeq, Jul 2008]