**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RG207543

## Host cell factor C2 (HCFC2) (NM_013320) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Host cell factor C2 (HCFC2) (NM_013320) Human Tagged ORF Clone |
| **Tag:** | TurboGFP |
| **Symbol:** | Host cell factor C2 |
| **Synonyms:** | HCF-2; HCF2 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**ORF Nucleotide Sequence:**

>RG207543 representing NM_013320
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCTCCCAGCCTCCTCAACTGGAGGCGAGTTTCTTCCTTCACGGGGCCGGTCCCCCGCGCCCGGC
ACGGACACCGAGCGGTGGCCATCCGGGAGCTGATGATCATCTTTGGAGGGGGAAATGAGGGCATCGCGGA
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CCCTCCTTCTGGTTTACCTCCTTGTCCTCGGCTTGGACATAGCTTCTCTTTATATGGTAACAAATGCTAT
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ACTTCAGCAAATGTAGGTGTTCTAAGTAGTTGCCTGGATGTAAGAACAGTAATTCCTGAAACATCTGTAT
CCAGTACTGTTTCCAGCACACAAACTATGGTAACCCAGCAGACCATTAAAACTGAATCATCCAGTACAAA
TGGGGCAGTTGTTAAAGATGAAACTTCACTAACAACATTCAGTACCAAATCTGAAGTTGATGAAACATAT
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CTTCAAATCCAGTGGCCACAGTGAAAGCGGGAGAACGACAATGGTGTGATGTGGGAATTTTTAAAAATAA
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ATCCAAGTCAACTTGTGTTCATGAGGATTTATTGTGGTCTTAAGACATCATGTATAGTAACTGCTGGGCA
ACTTGCAAATGCACATATTGATTATACATCCAGGCCTGCCATTGTGTTCAGGATATCAGCAAAGAATGAA
AAGGGATATGGACCAGCTACACAAGTTCGGTGGCTTCAAGGTAACAATAAGAAAGCACCTTTAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

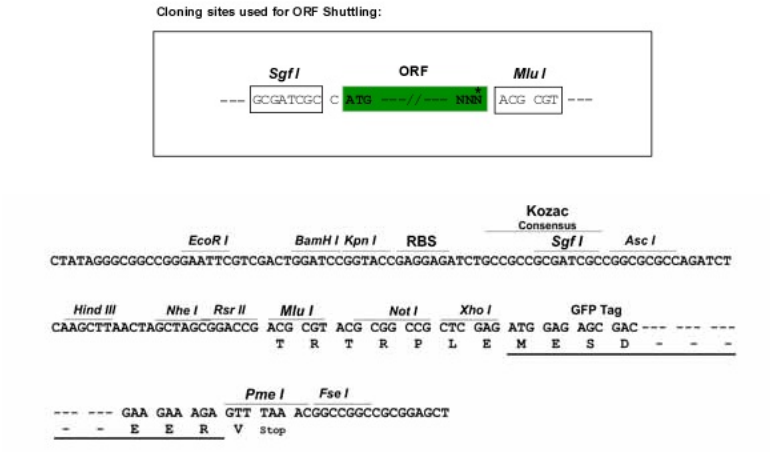
>RG207543 representing NM_013320
Red=Cloning site Green=Tags(s)

MAAPSLLNWRRVSSFTGPVPRARHGHRAVAIRELMIIFGGGNEGIADELHVYNTATNQWFLPAVRGDIPP
GCAAHGFVCDGTRILVFGGMVEYGRYSNELYELQASRWLWKKVKPHPPPSGLPPCPRLGHSFSLYGNKCY
LFGGLANESEDSNNNVPRYLNDFYELELQHGSGVVGWSIPVTKGVVPSPRESHTAVIYCKKDSGSPKMYV
FGGMCGARLDDLWQLDLETMSWSKPETKGTVPLPRSLHTASVIGNKMYIFGGWVPHKGENTETSPHDCEW
RCTSSFSYLNLDTTEWTTLVSDSQEDKKNSRPRPRAGHCAVAIGTRLYFWSGRDGYKKALNSQVCCKDLW
YLDTEKPPAPSQVQLIKATTNSFHVKWDEVSTVEGYLLQLSTDLPYQAASSDSSAAPNMQGVRMDPHRQG
SNNIVPNSINDTINSTKTEQPATKETSMKNKPDFKALTDSNAILYPSLASNASNHNSHVVDMLRKNEGPH
TSANVGVLSSCLDVRTVIPETSVSSTVSSTQTMVTQQTIKTESSSTNGAVVKDETSLTTFSTKSEVDETY
ALPATKISRVETHATATPFSKETPSNPVATVKAGERQWCDVGIFKNNTALVSQFYLLPKGKQSISKVGNA
DVPDYSLLKKQDLVPGTGYRFRVAAINGCGIGPFSKISEFKTCIPGFPGAPSAVRISKNVEGIHLSWEPP
TSPSGNILEYSAYLAIRTAQIQDNPSQLVFMRIYCGLKTSCIVTAGQLANAHIDYTSRPAIVFRISAKNE
KGYGPATQVRWLQGNNKKAPLN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_013320

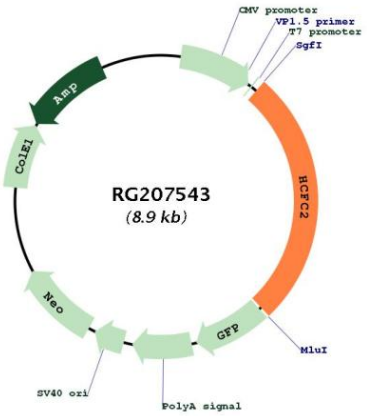
**ORF Size:** 2376 bp

**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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_013320.3 |
| **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] |

## Product images:




Circular map for RG207543