

Product datasheet for **VC101719**

vif (NC_001802) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: vif (NC_001802) Virus Tagged ORF Clone
Tag: Myc-DDK
Symbol: vif
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >The Viral ORF clone VC101719 represents NCBI reference of NP_057851 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAACAGGTGGCAAGTGATGATTGTCTGGCAAGTGGACCGCATGCGAATTAGGACGTGGAAGAGCT
 TGGTGAACACCATATGTACGTAAGTGGCAAGGCTCGGGGATGGTTCTACAGACATCACTACGAATCTCC
 ACACCCTCGAATTTCTCCGAGGTACATATCCCGCTCGGGGATGCGCGATTGGTCATTACGACCTACTGG
 GGCTCCATACCGGCGAGCGGGACTGGCACCTGGGCCAGGGCGTTTCTATTGAGTGGCGAAAAAGCGGT
 ACTCTACTCAGGTAGACCCGAACTGGCAGACCAGCTGATACATCTGTATTATTTTATTGCTTTAGTGA
 CTCGCGATCCGGAAGGCCCTCCTTGGCCATATCGTCTCCCCAGGTGCGAGTACCAGGCCGCCATAAT
 AAAGTGGGTAGTCTGCAGTATCTGGCTTGGCCGCACTGATTACTCCAAGAAGATTAACCCCTCTCC
 CATCAGTAACTAAGCTTACGGAAGACAGATGGAACAAACCCAAAGACAAAAGGACATCGCGGGAGTCA
 TACAATGAATGGACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101719 representing NP_057851
Red=Cloning sites **Green**=Tags

MENRWQVMIVWQVDRMIRITWKSLSVKHHMYVSGKARGWFYRHHYESPHPRISSEVHIPLGDARLVITTYW
 GLHTGERDWHLGQVSVIEWRKKRYSTQVDPPELADQLIHLYYFDCFSDSAIRKALLGHIVSPRCEYQAGHN
 KVGSLQYLALALITPKKIKPLPSVTKLTEDRWKPKQTKGHRGSHTMNGH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

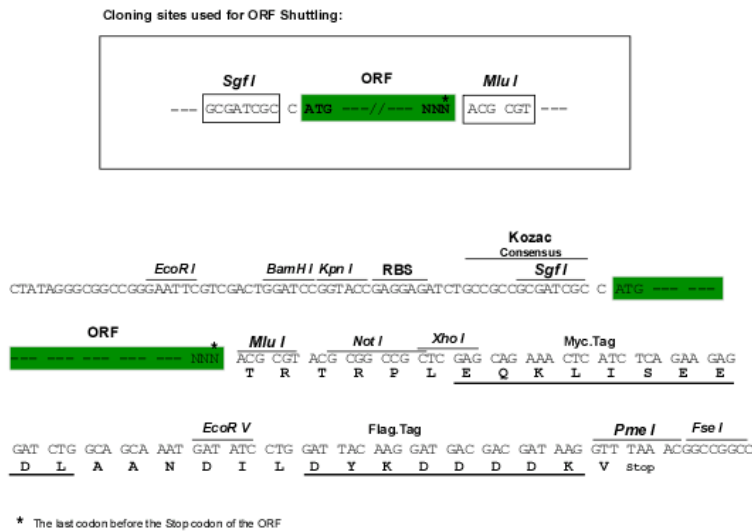


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Chromatograms: https://cdn.origene.com/chromatograms/mk8100_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001802

ORF Size: 576 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

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: [NC_001802.1, NP_057851](#)

RefSeq ORF: 576 bp

Locus ID: 155459

UniProt ID: [P04585](#)

MW: 22.5 kDa