

## Product datasheet for **VC101744**

### vif protein (NC\_001722) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	vif protein (NC_001722) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	vif protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101744 represents NCBI reference of NP_056839 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAAGAGGACAGAAATTGGATTGTAGTTCGACCTGGCGAGTCCCGCCGGATGGAGAAATGGCAGC  
CCCTCGTGAAGTATCTGAAGTATCGGACCAAGGACTTGAAGAGGTAAGGTATGTGCCTCATCATAAGGT  
TGGATGGGCTGGTGGACCTGCTCTCGCGTGATATCCCTCTGCAAGGCAAAAGCCATTTGGAAATTCAA  
GCCTATTGGAATTTGACACCCGAAAAAGGCTGGCTCTCCAGCCATGCCGTGCGGCTGACATGGTATACAG  
AAAAATTTTGGACAGATGTGACGCCAGACTGCGCCGACATTCTCATCCACAGCACTTACTTCAGTTGCTT  
CACTGCAGGCGAGTTAGAAGAGCGATTAGGGGGAGAAGCTGCTTAGTTGCTGCAATTACCCACAAGCC  
CATAAAGCCCAAGTGCCATCTTTGCAGTATCTTGCACTGGTTGTGGTCCAACAGAATGACAGGCCCCAGC  
GGAAGGGCACCGCAGAAAAACAGTGGAGGAGGATCATTGGAGGGGTTGCGCGTTGCAAGAGAGGATCA  
TCGGTCACTTAAGCAGGGCGGGAGTGAGCCAGCGCACCAAGAGCTCATTTTCTGGGGTGGCTAAGGTC  
CTGGAGATACTGGCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101744 representing NP\_056839  
Red=Cloning sites Green=Tags

MEEDRNWIVVPTWRVPGRMEKWHALVKYLKYRTKDLEEVRYVPHHKVGVAWWTCSRVIPLQGKSHLEIQ  
 AYWNLTPEKGLSSHAVRLTWYTEKFWTDVTPDCADILIHSTYFSCFTAGEVRRAIRGKLLSCCNYPQA  
 HKAQVPSLQYLALVVVQQNDRPQRKGTARKQWRRDHWRLRVAREDHRSRKQGGSEPSAPRAHFPGVAKV  
 LEILA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001722

**ORF Size:** 645 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\\_001722.1](#), [NP\\_056839](#)  
RefSeq ORF: 645 bp  
Locus ID: 1724712  
MW: 25.3 kDa