

## Product datasheet for **VC101111**

### **BFRF1 (NC\_007605) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BFRF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BFRF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101111 represents NCBI reference of YP_401649 with codon optimized for human cell expression <b>Red</b> =Cloning site <b>Blue</b> =ORF <b>Green</b> =Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGCCCTGAAGAAAGACTGCTGGACGAGCTGAACAACGTGATCGTGTCTTCTGTGCGACAGCG  
GAAGCCTCGAAGTGGAGAGATGTAGCGGCGCCACGTGTTCTCCCGGGGAGCTCCAGCCCTGTGCAC  
CGTGAAGCTGCGGCACGGCCAGATCTACCACCTGGAGTTCGTGTACAAGTTCCTGGCATTCAAGCTCAAG  
AACTGTAACACCCAGCAGCCCGTGTTCGTGATCAGCAACAACGGCCTGGCTACAACACTGCGGTGCT  
TCCTGCACGAGCCAGCGCCTGCGGTCCGGCCAGAGCGGCCCTGCCTCGGCCTGAGCACCAGCTCGA  
TCTGCCCAAGAACAGCATCATCATGCTCGGCCAGGACGACTTCATCAAGTTTAAAAGCCCTCTGGTGT  
CCCGCCGAGCTGGACCTGCTGAAAAGCATGGTCGTGTGCAGAGCCTACATCACCGAGCACCAGGACCA  
TGCAGTTCCTGGTGTCCAGGCCGCTAATGCTCAGAAGGCCAGCCGGGTGATGGACATGATCAGCGATAT  
GAGCCAGCAACTGAGCCGGAGCGGGCAAGTGGAGGACACCGGCGCACGGGTGACTGGAGGCGGAGGCCCA  
CGGCCCGCGTGACACACAGCGGCTGCCTGGGCGACAGCCACGTGAGAGGCGGGGCGGGTGGGATCTGG  
ACAACCTTAGCGAGGCCGAGACCGAGGACGAAGCCAGCTACGCCCATGGCGGGACAAGGACAGCTGGAG  
CGAGAGCGAAGCAGCCCCCTGGAAGAAGGAGCTGGTGCGGCATCCCATCCGGAGACACCGGACACGGGAA  
ACCCGGCGGATGCGGGGAGCCACTCCCGGTGGAACACGTGCCCCCGAGACCCGGGAGACTGTGGTGG  
GCGGGGATGGCGGTACTCCTGGCGGGTACCCCTACCTCGCCCGGTGCTCGCCGTCCTGCCGTGGC  
CCTGCTCTGATGTTCTCAGATGGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101111 representing YP\_401649  
Red=Cloning sites Green=Tags

MASPEERLLDELNNVIVSFLCDSGSLEVERCSGAHVFSRGSQPLCTVKLRHGQIYHLEFVYKFLAFKLLK  
 NCNYPSSPVFVVISNGLATTLRCFLHEPSGLRSGQSGPCLGLSTDVDLPKNSIIMLGQDDFIKFKSPLVF  
 PAELDLLKSMVVCRAYITEHRTTMQFLVFQAANAQKASRVMDMISDMSQQLSRSGQVEDTGARVTGGGGP  
 RPGVTHSGCLGDSHVRGRGGWDLNDFSEAETEDEASYAPWRDKDSWSEEAAPWKKELVRHPIRRHRTRE  
 TRMRGSHSRVEHVPETRETIVGGAWRYSWRATPYLARVLAVTAVALLLMFLRW

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_007605

**ORF Size:** 1008 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\\_007605.1](#), [YP\\_401649](#)  
RefSeq ORF: 1008 bp  
Locus ID: 3783699  
UniProt ID: [P03211](#)  
MW: 37.6 kDa