

## Product datasheet for **VC101015**

### **BFLF2 (NC\_009334) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BFLF2 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BFLF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101015 represents NCBI reference of YP_001129443 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCCAGTTACACCAGACGCAGTGAATGCCAGACAGCAGAGGCCCGCTGACCCTGCCCTGAGGCGAC  
TGATGCATCCTCACCACCGCAATTATACTGCCTCCAAGGCGTCCGCGATTCTGTCAAAGCGTCTCCAG  
ATGCGGAAAGAGCAGATCCGAGCTGGGGAGAATGGAGCGCGTGGGAAGTGTGGCTAGGAGTATCTGCAGT  
AGGCATACCAGACATGGGGTCGACCGCTCCCACTTTAGCCTGCGCGACTTTTTAGAGGCATAAGTGCCA  
ACTTTGAGTTGGGAAAGACTTCCTCAGAGAAAATGAACACTCCAATCCATGTGAGTGAGGCCGTGTTTCT  
GCCCTCAGCCTCTGCACGCTTTCACCAGGACGCTGTCTGAGACTGAGCCATTTGGACTCACTGACG  
TTGGGGTCTCATTGTGAAATTTGTATTAACAGATCTCAAGTCCACGTGCCCAAGAGTTCTCTTCTACCC  
AACTGTCTTTTTAATAACGTGCACAAGATTATCCCGAACAAAACCTTCTACGTTAGCTTGCTCAGTAG  
CAGCCCTAGTCCCGTGAAGGCTGGGCTGTCCAGCCATCACTGCTTACGCTTACCTCGTACAGGACAT  
TTCTGTGGCACCATTTGCCGATCTTTAGCACTAATGGCAAGGGAAGACTTATTATGCATCTTCTGCTCC  
AAGGTACCAGTCTTACATACCCGAGACTTGTCTGAAGCTTTGTGCGAGAACATTGGCCCGACCTATGA  
GCTCGCTGTCGATCTGGTGGGCGACGCCTTTTGTATTAAGGTGTCTCCACGGGACTGTTTATGAGAAA  
GCAGTCAATGTGGATGAGGACGCCATTTATGAAGCCATCAAAGATCTCGAATGTGGTGACGAACTGCGCC  
TCCAAATCATCAATTACACGCAACTGATTCTGGAGAATAAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101015 representing YP\_001129443  
Red=Cloning sites Green=Tags

MAPVTPDAVNARQQRPADPALRRLMHPHHRNYTASKASAHSVKSVSRGKSRSELGRMERVGSVARSICS  
 RHTRHGVD RSHFSLRDFFRGISANFELGKDFLREMNTPIHVSEAVFLPLSLCTLSPGRCLRLSPFGHSLT  
 LGSHC EICINRSQVHVPQEFSSSTQLSFFNNVHKIIPNKTFYVSLSSSSPSAVKAGLSQPSLLYAYLVTGH  
 FCGTICPIFSTNGKGRLLMHLLLQGTSLHIPETCLKLLCENIGPTYELAVDLVGD AFCIKVSPRDTVYEK  
 AVNVDEDAIYEAIKDLECGDELRLQIINYTQLILENKQ

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\_009334

**ORF Size:** 954 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\\_009334.1](#), [YP\\_001129443](#)  
RefSeq ORF: 954 bp  
Locus ID: 5176194  
MW: 35.4 kDa