

## Product datasheet for VC101109

### BFLF2 (NC\_007605) Virus Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | BFLF2 (NC_007605) 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 VC101109 represents NCBI reference of YP_401647 with codon optimized for human cell expression<br>Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCCGTGACCCCCGACGCAGTGAACGCTCGGCAGCAGCGGCCCGCCGACCCCGCCCTGCGGCGGC  
TGATGCATCCTCACCACCGGAACACCCGCCAGCAAGGCTAGCGCACACAGCGTCAAAAGCGTGAGCCG  
GTGTGGCAAGTCCCGGTCCGAGCTGGGCCGGATGGAGCGGGTGGCTCCGTGGCCCGGAGCATCTGTAGC  
CGGCACACCCGGCACGGGTTCGATCGGAGCCACTTCAGCCTGCGGGACTTTTTCCGGGGCATCAGCGCCA  
ACTTCGAGCTCGCAAGGACTTCCTCCGGGAGATGAACACCCCATCCAGTGAGCGAGGCTGTGTTCCT  
GCCCTGAGCCTGTGCACCCTGAGCCCCGGCGGTGCCTGAGACTGTCCCTTCGGCCACAGCCTGACC  
CTGGGCTCCCACTGCGAGATTTGCATCAACCGGAGCCAGGTGCATGTGCCCCAGGAGTTCAGCAGCACCC  
AGCTGAGCTTCTCAACAACGTGCATAAGATCATCCCCAACAAGACCTTCTACGTGTCCCTGCTGAGCAG  
CTCCCCAGCGCCGTGAAGGCAGGCCTCAGCCAGCCAAGCCTGCTGTACGCATACCTGGTGACCGGCCAT  
TTCTGCGGCACCATCTGCCCATTTTCAGCACCAACGGCAAAGGCCGGCTGATCATGCATCTGCTCCTGC  
AGGGGACCAGCCTGCACATCCCCGAGACCTGTCTGAAGTGTCTGCGAAAACATCGGCCACCTACGA  
ACTCGCCGTGGACCTCGTCGGCAGCCCTTTTGCATCAAGGTGAGCCACGGGACACCGTCTACGAGAAG  
GCCGTGAACGTGGACGAGGACGCCATCTACGAGGCCATCAAGGACCTGGAGTGCGGAGACGAGCTGCGGC  
TGCAGATCATCAACTACCCAGCTCATTCTCGAAAACAAACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101109 representing YP\_401647  
Red=Cloning sites Green=Tags

MAPVTPDAVNARQQRPADPALRRLMHPHHRNYTASKASAHSVKSVSRGKSRSELGRMERVGSVARSICS  
 RHTRHGVD RSHFSLRDFFRGISANFELGKDFLREMNTPIHVSEAVFLPLSLCTLSPGRCLRLSPFGHSLT  
 LGSHC EICINRSQVHVPQEFSSSTQLSFFNNVHKIIPNKTFYVSLSSSSPSAVKAGLSQPSLLYAYLVTGH  
 FCGTICPIFSTNGKGRLLIMHLLQGTSLHIPETCLKLLCENIGPTYELAVDLVGD AFCIKVSPRDTVYEK  
 AVNVD EDAIYEAIKDLECGDELRLQIINYTQLILENKQ

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:** 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\\_007605.1](#), [YP\\_401647](#)

RefSeq ORF: 954 bp

Locus ID: 3783698

UniProt ID: [P03211](#)

MW: 35.4 kDa