

## Product datasheet for **VC101033**

### **BSLF2/BMLF1 (NC\_009334) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BSLF2/BMLF1 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BSLF2/BMLF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101033 represents NCBI reference of YP\_001129456 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGCCTTCACAAAGACTCAGCCGAAGTACGAGCATTAGCTCAAATGAGGACCCTGCAGAGTCACATA  
 TCTTGAACTCGAGGCTGTATCCGACACAAATACCGATTGCGATATGGACCCCATGGAGGCTCTGAAGA  
 GCACAGTACAGATGGCGAAATCAGTTCTTCAGAAGAGGAAGACGAGGATCCACACCTGCACACACCATT  
 CCCGCCAGGCCCTCTTGTAGTGATTACGCCACGAGCGCTCTTTCGTCATCCCCGCAAAAAATGGG  
 ACTTGCAGGACAAAACAGTTACATTGCATCGATCTCCGCTTTCAGAGATGAAGACGAGAAGGAAGAAAC  
 CGGCAACAGTAGTTATAACAAGAGGCCACAAGAGGCCGCCGGTGAAGTGCACGGTGCACCGACGAAAGT  
 TATGGCAAACGAAGGCACCTGCCTCCAGGAGCCAGAGCCCCAGAGCTCCTCGGGACCAAGAGTCCCAA  
 GAGCACCTCGCTCCCAAGAGCTCCAGAAGCAATAGGGCAACCCGCGGTCCCGGTCTGAGAGTAGAGG  
 TGCTGGTTCGACAGCAGCGAAACAAGCCCGCCAGGAACGCTCTCAAAGGCCCTCTCCCAATAAACCTGG  
 TTCGATATGAGCCTGGTCAAACCAGTAAGTAAGATCACATTCTGTGACTCTCCCATCCCCCTGGCTCCC  
 TTACCCTGGAACCCATTCAAGATCCATTTCTTCAGTCAATGTTGGCAGTGGCCGCTCATCTGAAATAGG  
 GGCATGGCAAAAAGTGCAACCTCGACATGAGCTCCGCCGGAGCTACAAACTCTCCGAGAGTTTCTCACT  
 AAGTCAACCAATAAAGACACCTGGCTGGATGCAAGGATGCAAGCAATCCAGAACGCCGGCTCTGCACTC  
 TCGTGGCTATGCTGGAAGAGACGATCTTTGGCTGCAAGAAATCATATCATGGTATCTTCCACTGGC  
 CCCTGCCGAGGATATTCTCTGGCTGCGCAATGCACCTAGCAAGGTCATTCTACCAAGCTGAAAGAG  
 CTGGCACCTGTTTTTTGCCCAATACTCGCGACTATAATTTCTGTAAGCAGCTCTTCTATACACCTGTG  
 CTACCGCCCGCAGAAATAAAGTTGTAGAGACGTTGAGCTCCTCCTATGTAAAGCAGCCCCGTGCTGCTGTT  
 GGCAGCGTACGCCGCGGTTGCTCCGGCTTACATCAATGCTAATTGCAGGCGCCGATGACGAAAGTGAA  
 TTCTTGGGACACTACATCAAAACTACAATCCTGGTACTCTGTCAAGCCTGCTTACTGAGGCCGTGGAGA  
 CTCACACCAGGATTGTAGATCTGCAAGTTGCTCCAGATTGGTGAAGCAATACTCAGCCAGGAACCGG  
 GAGCTTGGGCCTTCTTCTGTGCTGGTCTCAACCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101033 representing YP\_001129456  
 Red=Cloning sites Green=Tags

MVPSQRLSRTSSISSNEDPAESHILELEAVSDTNTDCDMDPMEGSEEHSTDGEISSSEEEDEDPTPAHTI  
 PARPSSVVITPTSASFVIPRKKWDLQDKVTLHRSPLCRDEDEKEETGNSSYTRGHKRRRGEVHGCTDES  
 YGKRRHLPPGARAPRAPRPRVPRAPRSPRAPRSNRATRGPRSESRGAGRSTRKQARQERSQRPLPNKPW  
 FDMSLVKPVSKIIFVTLPSPLASLTLEPIQDPFLQSM LAVA AHPEIGAWQKVQPRHELRRSYKTLREFFT  
 KSTNKDWTLDARMQAIQNAGLCTLVAMLEETIFWLQEITYHGDLPLAPAEDILLACAMSLSKVILTKLKE  
 LAPCFLPNTRDYNFVKQLFYITCATARQNKVVETLSSSYKQPLCLLAAYA AVAPAYINANCRRRHDEVE  
 FLGHYIKNYPGTLSSLLTEAVETHTRDCRSASCSRLVRAILSPGTGSLGLFFVPLNQ

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja3730\\_h02.zip](https://cdn.origene.com/chromatograms/ja3730_h02.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NC\_009334

**ORF Size:** 1437 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\\_001129456](#)

**RefSeq ORF:** 1437 bp

**Locus ID:** 5176227

**MW:** 53.5 kDa