

Product datasheet for **VC101121**

BSLF2/BMLF1 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BSLF2/BMLF1 (NC_007605) 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 VC101121 represents NCBI reference of YP_401659 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTCAGCCAGCGCCTGTCCCGCACCTCTTCCATTTCTTCAAACGAAGATCCCGCAGAAAAGTCACA
TTCTGGAGCTGGAAGCCGTCTCAGATACAAATACTGATTGCGACCTTGACCCAATGGAGGGAAGCGAGGA
ACATAGTACGGATGGCGAGATCTCAAGCAGCGAGGAAGAGGATGAGGATCCCACTCCGGCCCATGCCATT
CCAGCCCGCCCATCAAGCGTGGTATCACCACCTCCGCTCCTTCGTGATACCTCGGAAAAAGTGGG
ATCTGCAGGACAAGACAGTTACCCTCCATAGAAGTCTTTGTGTGCGAGACGAGGATGAGAAAAGAGGAGAC
TGGCAATAGTTTCATACCCCGGACACAAAAGACGCAGGGGGGAGGTTTCATGGTGCACAGACGAGTCA
TACGGCAAGAGAAGACACCTGCCTCTGGCGCCGAGCCCAAGAGCGCCACGAGACCACGGTCCCC
GGCCCTCGATCTCCTAGAGCTCAAGGTCTAATAGGGCCACAAGAGTCCCAGAAGTAAAGTGGGG
GGCCGGGAGGAGTACTCGAAAGCAGGCTCGCCAGGAGAGATCACAGAGGCCATTGCCAACAACCATGG
TTCGACATGTCTTTGGTAAAACCTGTGTCCAAGATCACTTTTGTACTCTGCCTAGCCCTCTGGCAAGCC
TTACCCTGGAGCCTATTCAGGACCCGTTTCTTCAAAGTATGCTGGCAGTGGCTGCGCATCCGAAATTGG
CGCCTGGCAAAAAGTTCAGCCAGGCACGAAGTGGCGGTCTATAAGACCCTGCGGAGTTTCTCACG
AAGAGCACGAATAAGGACACTTGGCTGGATGCCAGAATGCAGGCTATACAGAAGCTGGGCTCTGCACCT
TGGTGGCCATGCTCGAGGAAACGATTTTCTGGTGCAGGAGATAACCTATCACGGAGACCTGCCCTGGC
CCCGGCTGAAGATATTCTGTTGGCCTGCGCAATGCTACTGAGCAAAGTTATCCTCACAAAAGCTGAAAGAA
CTGGCTCATGCTTCTGCCAAATACTAGGATTACAACTTTGTGAAGCAGCTGTTCTACATCACCTGCG
CCACCGCTAGACAGAATAAAGTCGTAGAGACCCTGTCATCCTCATATGTTAAACAACCTTTGTGCTTGGT
GGCCGTTACGCCGCGTGGCCCGCCTATATTAATGCAAACCTGCCCGCGCCATGACGAAAGTGAA
TTCTTGGGCCATTACATCAAAAATAAATCCCGAACTTTTCTCATTGCTGACTGAGCCGTTGAGA
CTCATACAAGGATTGTCGAAGTGCCAGTTGCTCACGCTGGTGCAGCCATTCTCTCCCGGGGACCGG
CAGTCTGGGCTTGTCTTTGTGCCCGTCTTAACCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101121 representing YP_401659

Red=Cloning sites Green=Tags

MVPSQRLSRTSSISSNEDPAESHILELEAVSDTNTDCDLDPMEGSEEHSTDGEISSSEEEDEDPTPAHAI
PARPSSVITPTSASFVIPRKKWDLQDKVTLHRSPLCRDEDEKEETGNSSYTRGHKRRRGEVHGCTDES
YKRRHLPPGARAPRAPRVPAPRSPRAPS NRATRGPRSESRGAGRSTRKQARQERSQRPLPNKPW
FDMSLVKPVSKITFVTLPSPLASLTLEPIQDPFLQSM LAVA AHPEIGAWQKVQPRHELRRSYKTLREFFT
KSTNKDWTLDARMQAIQNAGLCTLVAMLEETIFWLQEITYHGD LPLAPAEDILLACAMSLSKVILTKLKE
LAPCFLPNTRDYNFVKQLFYITCATARQNKVVETLSSSYKQPLCLLAAYA AVAPAYINANCRRRHDEVE
FLGHYIKNYPGTLSSLLTEAVETHTRDCRSASCSRLVRAILSPGTGSLGLFFVPLNQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_007605

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_007605.1](#), [YP_401659](#)

RefSeq ORF: 1437 bp

Locus ID: 3783758

UniProt ID: [P03211](#)

MW: 53.5 kDa