

Product datasheet for **VC101110**

BFLF1 (NC_007605) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | BFLF1 (NC_007605) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | BFLF1 |
| 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 VC101110 represents NCBI reference of YP_401648 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGGCCACAAGGTGACCAGCGCAATGAGCCCAACCACTGACCGGCAAGCGGCTGAGCAGCTGTCCCC
TGACCAGAAGCGGCGTGACCGAGGTGGCACAAATTGCCGGACGGACCCCAAGATGGAGGACTTCGTGCC
ATGGACCGTGCACAACCTGAAGAGCCAGTTTGGGCTGTGGCCTGCTCATGGCTCACTCTACCTGCCT
GCCAACGCCGAGGAGGGCATCGCTACCCTCCCCTGGTGCACACCTACGAGAGCCTGTCCCCGCCAGCA
CCTGCAGAGTCTGCGATCTGCTCGACACCCTCGTGAACCACAGCGACGCCCCAGTGGCCTTCTTCGAAGA
CTACGCACTGCTGTGCTACTACTGCCTCAACGCCCCCGGCTTGGATCAGCAGCCTGATTACGGGATG
GATTTCTGCACATCCTGATCAAGTACTCCCCATGGCCGGCGGCTGGACTCCCTGTTTCATGCCAGCC
GGATCCTGGCCATCGACATCCAGCTGCCTTCTACATCTGCCGGTCTTCTGCCCGTGAGCAGCAGCGA
CATGATCCGGAACGCCAACCCTGGGGTACTACAAGCTCGAGTTCCTGAAGAGCATCCTCACCGGCCAGAGC
CCCGCCAACTTTTGTTCGAAGCATGTGGCCCGGACACCCCACTTTTCTCACCTGCCAGGGCCCC
GGACCTGCAAGGACAGCCAGGACGTGCCCGGCGACGTGGGCCGGGGCCTCTACACTGCCCTCTGTGCCA
CCTGCCACCCGGAACCGGGTCCAGCACCCCTTCTGCGGGCCGAGAAGGGCGGGCTCTCCCCGAAATC
ACCACCAAGCCGACTACTGCGGCTGTGCTCGGCACCTGGCAGGGCACCGACCTGTGGGCGGACCCG
GCCACCAGCCATCGGCCTCAATGCCGAATACAGCGGCGACGAACTGGCCGAACCTCGCCCTCGCCATCAC
CCGGCCCGAGGGCCGCGACACAGCCAGGGGCCCTGCCTGCTGGCACCCATGTTCCGGCTCCGGCACAAG
AACGCCAGCCGGACCATCTGCCCTCTCTGCGAGTCCCTCGGCGCCACCCGACGCAAGGACACACTGG
ACAGATTCGAAGTCCCTCATCCTGGACAGCTTCGGCAACAACATCAAGATCCTCGACCGGATCGTGTCTCT
CATTAAAGACCCAGAACACCCTGTGAGCTCCCTGCCCCGGCTGCGGGCTGGCTGCAAAATGTGTACC
CCCCAGGATTTCCACAAGCACCTGTTTTGTGACCCCTGTGCGCCATCAACCATAGCATACCAACCCAA
GCGTGTGTTTTGGCCAGATCTACCCCCCAGTTCCAGGCCTTCAAGGCCGCCCTCGCCGAGGCCAGAA
CCTCGAGCAGGGCGTGTGCGACAGCCTGATCACCTCGTCTACATTTTCAAAGCACCCAGGTGGCTCGG
GTCGGCAAACCATCCTCGTGGACGTCAAAAGGAGCTGGATGTCGTGCTGAGAATCCACGGCCTGGATC
TCGTGCAGTCTACCAGACAAGCAAGTGTATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101110 representing YP_401648

Red=Cloning sites Green=Tags

MAHKVTSANEPNPLTGKRLSSCPLTRSGVTEVAQIAGRTPKMEDFVPWTVNLIKSQLFEAVGLLMAHSYLP
ANAEEGIAYPPLVHTYESLSPASTCRVCDLLDTLVNHSAPVAFFEDYALLCYCLNAPRAWISSLITGM
DFLHILIKYFPMAGGLDSLFPMSRILAIIDILHFYICRCFLPVSSDMIRNANLGYKLEFLKSILTGQS
PANFCFKSMWPRTTPTFLTLPGPRTCKDSQDVPDVGRLYALCCHLPTRNRVQHPFLRAEKGGLSPEI
TTKADYCGLLLTWQGTDLGGPGHHAIGLNAEYSGDELAEALAITRPEAGDHSQGPCLLAPMFLRHK
NASRTICPLCESLGAHPDAKDTLDRFKSLILDSFGNNIKILDRIVFLIKTQNTLLDVPCPRLRAWLQMC
PQDFHKHLFCPLCAINHISITNPSVLFQIYPPSFQAFKAALAAGQNLEQGVCDLITLVYIFKSTQVAR
VGKTIKLVDTKELDVVLRHGLDLVQSYQTSQVYV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_007605

ORF Size: 1575 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_401648](#)

RefSeq ORF: 1575 bp

Locus ID: 3783697

UniProt ID: [P03211](#)

MW: 57.9 kDa