

Product datasheet for **VC101073**

BXLF2 (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BXLF2 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BXLF2
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 VC101073 represents NCBI reference of YP_001129496 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTTGCTGTGCGTGTTCCTCGTACTCCTCTGGGAAGTGGGCGCCGATCCCTGAGCGAAGTCA
AACTGCACCTTGACATCGAGGGGACGCTTCTCACTACACGATCCCTGGACCGAGCTGATGGCCAAAGT
GCCCGATTGAGCCCTGAGGCACTCTGGCGGAGGCCAATGTGACAGAAGACCTGGCGTCTATGCTGAAC
AGGTACAACTTATTTATAAGACCAGCGGTACTCTGGGCATCGCTCTGGCCGAACCCGTGGACATCCAG
CAGTCAGCGAGGGGAGCATGCAGGTCGATGCCAGCAAGTACACCCGGCGTAATTTCCGGTCTCAATTC
ACCAGCCTGCATGCTGTCTGCCCTCTGGAAAAGCAACTTTTCTACTATATTGGTACCATGTTGCCCAAT
ACCAGACCACATTCTTATGTCTTCTACCAGCTGCGATGCCACCTGTCCTATGTGGCCCTGTCAATCAATG
GGGACAAATTCAGTATACAGGTGCCATGACCAGCAAATTCCTGATGGGTACATAACAAGCCGGTGACCGA
AAAAGGTGACGAACATGTTTTGCACTCATCTTTGGCAAGACTAAAGATCTTCCGGATCTGCGAGGCCCT
TTTTCTTATCCAAGTCTTACATCAGCCAGAGCGGAGACTACTCCCTCGTATTGTTACGACTTTTGTGC
ACTACGCGAATTCACAACTATTTTGTACCCAATCTCAAGGACATGTTTACGCCGAGCCGTGACTATGAC
CGCCGATCTTATGCTCGCTATGCTTCAAAGCTGGTGTGCTTGAGATGAAGGGCGGCTGCCGCGAG
CCAGAGCTGGACACCGAACTCTGACTACAATGTTTCAAGTCTCTGTGGCATTCTCAAAGTCGGACATG
CCGTGGGTGAAACAGGGAACGGCTGTGTGGATCTCCGGTGGCTTGCAAAAAGCTTTTTCGAATTGACCGT
CTTGAAGGACATTATCGGCATCTGCTATGGCGTACCGTGAAGGGCATGCAGAGCTACGGCTGGAGCGC
CTCGCAGCCGTGCTGATGGCGACAGTCAAATGGAAGAAGTGGTCACTCACCCTGAGAAAGCAGGAGT
ACGCGCTGCGACTGGCTACAGTCGGTTATCCAAAAGCCGGGTGACTCCGGTTTGATCGGTGGAGCCAC
AAGCGTGTCTTTGCTGCTTACAACAGGACCCCTGTTCCAGCCGCTTCATACTGTTATGAGAGAAACC
CTGTTTATCGGATCACACGTGGTCTGCGCGAGCTGCGCTTGAATGTCACAACACAGGGACCCAATTTGG
CCCTGTATCAACTGCTCTCCACTGCACTCTGCAGCGCCCTGGAGATCGGAGAGGTCTGAGAGGGCTGGC
ACTCGGGACAGAGAGTGGCTTGTTCAGTCTTGTACCTGAGTCTGCGCTTGCACCTCACCCGGGACAAA
TTGCTGTCAATGGCCCCGAAGAAGCGATGCTTGATCAGGCTGCTGTCTCAAACGCAGTTGACGGCTTCT
TGGGACGGTTGAGTTTGGAAAGAGAGGACCGCGACGCTGGCACCTGCCAGCTTACAAATGTGTGGACAG
GCTGGACAAGGTTCTGATGATCATCCCCTTGATTAATGTGACATTTATAATTTCAAGCGATAGAGAGGTG
CGGGGATCCGCCCTTACGAGGCTTCTACAACATACTTGTCTAGCTCCCTTTTTCTTAGCCAGTGATTA
TGAACAAGTGCTCTCAGGGCGCTGTCGAGGAGAGCCACGCCAGATACCTAAAATACAGAATTTACAAG
GACGCAGAAGTCATGATTTTTTGGCGGCTTGGCCCTCTGCTTATGATGAAAAAGAAAGGACTTGAGACC
ACTACTTACATCACTAGTCAGGAGGTGCAAAATAGCATATTGTCAAGTAACTATTTTGATTTGATAATC
TTCATGTGCATTACTTGTCTGACTACTAATGGGACAGTGATGGAAATGCCGGTTTGATGAAGAAAG
GGCTCACGTCGTGCTTGGCATAATCCTGTACTTTATTGCATTGCCCTTGGTATCTTCTGGTGCACAAG
ATCGTGATGTTCTTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101073 representing YP_001129496
 Red=Cloning sites Green=Tags

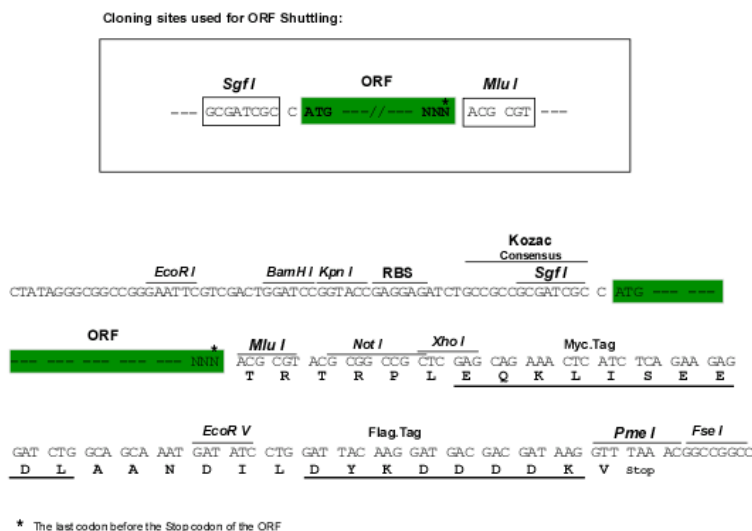
MQLLCVFCLVLLWEVGAASLSEVKLHLDIEGHASHYTIPTWELMAKVPGLSPEALWREANVTEDLASMLN
 RYKLIYKTSGLGIALAEPVDIPAVSEGSQVDASKVHPGVIISGLNSPACMLSAPLEKQLFYYIGTMLPN
 TRPHSYVFYQLRCHLSYVALSINGDKFQYTGAMTSKFLMGTYKRVTEKGDEHVLSLIFGKTKDLPDLRGP
 FSYPSTSAQSGDYSLVIVTTFFVHYANFHNYFVFNPKDMFSRAVTMTAASYARYVLQKLVLLEMKGGCRE
 PELDTELTMTMFEVSVAFKVGHAVGETGNGCVDLRWLAKSFFELTVLKDIIIGICYGATVKGMQSYGLER
 LAAVLMATVKMEELGHLTTEKQEYALRLATVGYPKAGVYSGLIGGATSVLLSAYNRHPLFQPLHTVMRET
 LFIGSHVVLRELRLNVTQGNLALYQLLSTALCSALEIGEVLRLGALGTESGLFSPCYLSLRFDLTRDK
 LLSMAPQEAMLDQAAVSNVDGFLGRLSLEREDRDAWHLPAYKCVDRDLKVLMIIPINVTFIISDREV
 RGSALYEASTTYLSSSLFLSPVIMNKCSQGAVAGEPRQIPKIQNFTRTQKSCIFCGFALLSYDEKEGLET
 TTYITSQEVQNSILSSNYDFDNLHVHYLLLTTNGTVMEIAGLYEERAHVVLAIILYFIAFALGIFLVHK
 IVMFFL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_009334

ORF Size: 2118 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_001129496](#)

RefSeq ORF: 2118 bp

Locus ID: 5176171

MW: 78.3 kDa