

## Product datasheet for **VC101148**

### **BGLF4 (NC\_007605) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BGLF4 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BGLF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101148 represents NCBI reference of YP\_401688 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATGTGAATATGGCTGCCGAGCTGTACCGACCAACTCAAGCTCAAGCGGAGAATTGTCGGTGTCCC  
 CAGAACCTCCGAGGGAGACTCAGGCCTTCTGGGTAAAGTTACCGTAATCGATTACTTTACGTTTCAACA  
 TAAACACCTCAAGGTGACGAATATCGATGATATGACCGAGACTCTGTATGTGAAACTGCCTGAGAATATG  
 ACTCGCTGTGATCACCTGCCAATCACCTGCGAATATCTTTTGGGAAGGGGAAGCTATGGTGCCGTTTACG  
 CCCACGCCGACAACGCAACCGTGAATTTGTACGACAGCGTCACAGAGCTGTATCATGAACTCATGGTGTG  
 TGACATGATTAGATCGGTAAAGCCACAGCAGAGGACGGCCAAGACAAAGCCCTCGTTGATTACCTCTCT  
 GCCTGTACTAGCTGCCATGCGTTGTTTCATGCCACAGTTCCGGTGTCTCTCCAAGACTATGGCCATTGGC  
 ACGATGGCAGCATCGAGCCACTCGTGGGGGTTCCAGGGCTCAAGGATGCAGTGTACTTTCTGAATAG  
 ACATTGCGGCTTGTTCCTCCGACATCTCACCTTCTAATATCCTGGTGGATTTACAGATACTATGTGG  
 GGCATGGGGAGGTTGGTGTGACCGACTACGGCACCGCTTCACTCCACGACAGGAATAAGATGCTCGACG  
 TGAGACTGAAAAGCAGTAAGGGGCGGCAGCTTTACAGATTGACTGTCAACGCGAGCCATTTAGTATCGC  
 GAAAGACACATATAAACCTCTGTGCCTCTGTCCAAATGTTATATATTGAGGGGAGCAGGACATATTCCT  
 GACCTTCAGCATGCGGCCCGGTGGGTGCGCAGACCGCCTGCGGCTGGACCTGCAGAGTCTCGTTTACA  
 GCCTGTCTACGGCATCATGCACCTGGCTGATTCACACATAAAATACCTTACCCAAATCCCAGCATGGG  
 TTTTCATCGATCAGATCCGCTTTATTTTCTGCAGTTTGTGCGCGAAAGTGGTCTGCTCGAGGTGCTC  
 TCACAAATGTGGAACCTGAACCTGGACATGGCCCTGACATCATGCGGAGAAAGTCCCTGCTGAGGTGCTC  
 CGCCGAGCACATGAGCCAATTTCTTTCAGTGGTGTAGATCTCTGAAAAAAGATTTAAAGAAAGCTATTT  
 TTTAACTGTAGCCGCGATTGAAACACCCACATCTTCCCGCCTGGTTGCAGAGCTTCTGGCCGACGAC  
 TTTTTGGACCAGACGGTCGGAGAGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101148 representing YP\_401688  
 Red=Cloning sites Green=Tags

MDVNMAAELSPNTSSSSGELSVSPEPPRETQAF LGKVTVIDYFTFQHKHLKVTNIDDMTETLYVKLPENM  
 TRCDHLPITCEYLLGRGSYGAVYAHADNATVKLYDSVTELYHELMVCDMIQIGKATAEDGQDKALVDYLS  
 ACTSCHALFMPQFRCSLQDYGHWHGDSIEPLVRGFQGLKDAVYFLNRHCGLFHSDISPSNILVDFDTMW  
 GMGRLVLTDYGTASLHNRKMLDVRLKSSKGRQLYRLYCQREPFSAKDTYKPLCLLSKCYILRGAGHIP  
 DPSACGPVGAQALRLDLQSLGYSLLYGIMHLADSTHKIPYPNPDGMGFRSDPLYFLQFAAPKVVLLLEVL  
 SQMWNLNLDMGLTSCGESPCVDVTAEHMSQFLQWCRSLKRFKESYFNCRPRFEHPHLPGLVAELLADD  
 FFGPDGRRG

**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_007605

**ORF Size:** 1287 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\\_401688](#)

**RefSeq ORF:** 1287 bp

**Locus ID:** 3783704

**UniProt ID:** [P03211](#)

**MW:** 48.4 kDa