

## Product datasheet for **VC101059**

### **BGLF4 (NC\_009334) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BGLF4 (NC_009334) 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 VC101059 represents NCBI reference of YP\_001129482 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGTGAACATGGCGGCTGAGCTGTACCAACTAATAGTAGCAGTAGCGGGAACTGTCAGTGTAC  
CAGAACCACCACGCGAGACACAGGCATTCTGGGCAAGGTGACCGTCATCGATTACTTCCAGCA  
CAAGCATTTGAAAGTCACAAACATTGACGATATGACCGAGACTTTGTATGTAAAGCTGCCAGAGAATATG  
ACGAGGTGTGACCACCTGCCGATAACCTGCGAGTATCTTCTGGGACGCGGGTCTACGGCGCCGTGTACG  
CACATGCTGACAACGCAACCGTTAACTTTATGACAGCGTTACCGAGCTGTACCATGAGCTGATGGTGTG  
CGACATGATACAAATCGGCAAAGCTACGGCCGAAGATGGACAAGATAAGGCCCTGGTTGATTACCTGTCA  
GCCTGCACCTCATGTCACGCACTGTTATGCCACAATTCAGGTGCAGCCTCAAGATTACGGTCACTGGC  
ACGACGGTTCAATCGAGCCACTTGTGAGGGTTTTCAAGGGCTCAAAGACGCCGTGATTTCTCAACCG  
CCACTGTGGCCTTTTCCACTCTGATATTAGCCCTAGCAACATTTGGTGGATTTACGGACACAATGTGG  
GGCATGGGACGGCTTGTGTTGACCGATTACGGGACCGAAGTCTGCACGATCGAAATAAAATGCTGGACG  
TGCGGCTCAAGTCAAGCAAAGGCAGACAACCTGTATAGGCTGTATTGTGACGCGGGAGCCTTTCAGTATTGC  
CAAAGACACCTACAAACCCTGTGCCTCCTTTCAAATGTACTACTGCGGGCGCCGGACACATCCCT  
GATCCCTCCGCTGCGGTCCCCTGCGGGCACAGACAGCTTTGCGGCTTGATTTGCAAAGTCTGGGATATT  
CTCTGCTCTACGGTATTATGCATCTGGCTGACTCAACTCACAAGATCCCCTATCCCAATCCCGATATGGG  
CTTCGACAGATCCGACCCCTTTACTTCCTTCAATTTGCTGCTCCGAAAGTGGTGTGTTGGAGGTATTG  
TCTCAGATGTGGAATTTGAACTTGATATGGCCCTGACGAGTTGCGGCGAATCCCCTGCGTGGACGTCA  
CCGCTGAGCACATGTCCCAGTTCCTGCAGTGGTGGCAGCCTCAAGAAGAGATTTAAAGAAAGTTACTT  
CTTAACTGCAGGCCAGATTTCGAGCACCTCACCTGCCCGCTTGGTGGCGAACTGTTGGCTGATGAC  
TTCTTCGGTCCCAGCGTAGACGAGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101059 representing YP\_001129482

Red=Cloning sites Green=Tags

MDVNMAAELSPNTSSSSGELSVSPEPPRETQAFGLKVTVIDYFTFQHKHLKVTNIDDMTETLYVKLPENM  
TRCDHLPITCEYLLGRGSYGAVYAHADNATVKLYDSVTELYHELMVCDMIQIGKATAEDGQDKALVDYLS  
ACTSCHALFMPQFRCSLQDYGHWHGDSIEPLVRGFQGLKDAVYFLNRHCGLFHSDISPSNILVDFDTMW  
GMGRLVLTDYGTASLHNRKMLDVRLKSSKGRQLYRLYCQREPFSAKDTYKPLCLLSKCYILRGAGHIP  
DPSACGPVGAQALRLDLQSLGYSLLYGIMHLADSTHKIPYPNPDGMGFRSDPLYFLQFAAPKVLLLEVL  
SQMWNLNLDMGLTSCGESPCVDVTAEHMSQFLQWCRSLKRFKESYFFNCRPRFEHPHLPGLVAELLADD  
FFGPDGRRG

**TRTRRLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_009334

**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\\_009334.1](#), [YP\\_001129482](#)
**RefSeq ORF:** 1287 bp

**Locus ID:** 5176213

**MW:** 48.4 kDa