

## Product datasheet for **VC101062**

### **BGLF2 (NC\_009334) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BGLF2 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BGLF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101062 represents NCBI reference of YP_001129486 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCCGCGCCAACAGTAGCCGAGAGCAGCTGCGGAAGTTCCTGAACAAGGAGTGCCTGTGGGTGT  
TGTCGACGCTTCCACCCCCAGATGAAGGTGTACCCGCAACAAGTGTCTCTGTATACGTGCC  
TCAGATTGCAGGACCACCAAGACATACATGAATGTACCCTGATCGTGTGAAGCCTAAGAAGAAACCC  
ACATACGTGACAGTGTATATAAACGGCACACTGGCAACAGTCGTCGGCCAGAGTTCTGTTTACTAAAG  
CTGTCCAGGGACCTCACTCCCTGACCCTTATGTACTTTGGCGTCTTTAGCGATGCCGTGGGTGAGGCTGT  
GCCGGTGGAAATCCGGGGTAACCCCGTCGTTACCTGTACCGACCTTACAACAGCCACGTGTTCAACA  
TCAACCGCGTAAAAACAGTGGAGGAACTCCAGGACATTACCCCTCCGAAATTATCCCTCTGGGCAGGG  
GAGGCGCATGGTACGCGGAAGGCGCGCTCTATATGTTTTTGTCAATATGGACATGCTCATGTGCTGCC  
AAATATGCCACATTCCCTAGTCTGACCCATTTCACTCAACCTGCTGACTCGGTGTGACAATGGCGAATGT  
GTCACCTGCTATGGGCAGGCGCCACGTCAATATCTTGC CGGCTGGACAGAGGATGATCCCCAGGTA  
CCTCCGGAACCTGTCCCTGCCTGCTGCCATGCACCGCATTGAACAACGATTATGTGCTATACCCGCCA  
CCGCGCCTTGCTCGGCCGTGATGTTAAGCCAGAAGATGCACCTTTCGTGGTTGGTCTCAGGTTCAACCT  
CCTAAAATGCATCCTGATATGAGTCGCGTGTCCAGGGGGTGTGGCCAACGAAAGGAGGTGCCCTGCA  
CCGCACAGCCCTGGACTCTGCTGCGCTTCTGACCTGTATTCAAGGGCAATGCTGTACAATTGTACGAT  
ACTGAAGAGACAGGTATTGCACAGCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101062 representing YP\_001129486  
Red=Cloning sites Green=Tags

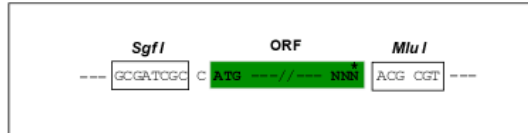
MASAANSSREQLRKFLNKECLWVLSDASTPQMKVYTATTAVSAVYVPQIAGPPKTYMNVTLIVLKPKKKPT  
 TYVTVYINGTLATVARPEVLFTKAVQGPVSLTLMYFGVFSDAVGEAVPVEIRGNPVVCTDLTTAHVFTT  
 STAVKTV EELQDITPSEI IPLGRGAWYAEGAL YMFFVNMDMLMCCPNMPTFPSL THFINLLTRCDNGEC  
 VTCYGAGAHVNILRGWTEDDSPGTSGTCPCLLPCTALNNDYVPI TGHRALLGLMFKPEDAPFVGLRFNP  
 PKMHPDMRSVLQGVLANGKEVPCTAQPWTLRLRFDLYSRAMLNQCQVLKRQVLSHSY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NC\_009334

**ORF Size:** 1008 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\\_001129486](#)  
RefSeq ORF: 1008 bp  
Locus ID: 5176204  
MW: 36.9 kDa