

Product datasheet for **VC101058**

BGLF5 (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BGLF5 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BGLF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101058 represents NCBI reference of YP_001129481 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGACGTTGACGAGTTGGAAGATCCAATGGAAGAGATGACTTCATATACATTTCGCAAGATTCTCA
 GAAGCCCTGAAACAGAAGCCTTTGTTAGAAATTTGGACCGGCTCCGCAGATGCCCGCCATGAGATACGT
 GTATCTGTACTGCCTCTGTGAGCAAATCCAAGAGTTTAGCGGCGAGACGGGCTTCTGCGACTTTGTGTCT
 AGCCTGGTTCAGGAAAATGACTCACAGGACGGACCAAGCCTGAAGTCCATCTATTGGGGACTGCAAGAGG
 CCACCGATGAACAACGCACAGTCTGTGCTCCTACGTAGAGTCAATGACTCGCGTCACTCCGAGAACCT
 TATGTGGGACATACTTAGAAACGGAATTATAAGCTCCTCAAACCTGCTCAGTACCATTAAAGACGGTCCC
 AAAAAATATTCGAGCCCGCTCCATCAGTACCAATCACTACTTTGGTGGCCCTGTTGCCTTCGGTCTGC
 GGTGCGAGGATACGGTAAAAGATATCGTTTGAAGCTCATCTGTGGAGATGCTTTCGAAATCGCCAGTT
 CGGCTTTATGATCTCTCAACGGACGGCATATTCGGGGTGTCTCTGGATTGTGTGTCAAGTAGAGTCC
 CAGGGAGATTTCACTTCTGTTACCGACAGATCCTGCATTATGAGATCAAATGCCGGTTTAAATACCTGT
 TCTCAAAAGTGAATTCGATCCTATTTACCAAGTTACTACTGCCCTGTATAAACGACCATGCAAGAGAAG
 CTTTCATCCGCTTCATAAACTCTATCGCCAGGCCACTGTGGAGTACGTGCCAGACGGACGATTGCCCTCT
 GAGGGAGACTACCTGTGACCCAGGACGAAGCCTGGAATCTGAAGGATGTGCGAAAGCGGAAGCTTGGTC
 CTGGACACGATCTCGTGGCAGATTCCTCGCAGCAACCGGGCGTTGAGAGTATGCTGTATGTCATGAC
 AGACCCGAGCGAAAACGCAGGTAGAATCGGCATCAAAGACCGCGTGCCCGTTAATATATTCAATACCCCT
 CGACACAATTACTTCTACCAAGTTCTGCTGCAGTATAAGATAGTTGGCGACTATGTCCGCCATTCAGGGG
 GGGGCAAACCGCCGGGATTGCAGTCCCGAGTGAACATCGTTACTGCCTTCTTCGAAAAAGAAGCCC
 GCTCGACCCTGCAACCTGTACATTGGGATCTGATCTTCTCTGGACGCTCCGTGGAGATACCCGTTGCC
 GTACTGGTACCCTGTGCTGCTCCCTGATTCCGTATTCCGGAAGACATTGAGCACCGCTGCTGGTTCTT
 GGAAAGCCTACGCCGACAACACTTTTGACACCGCCCCATGGGTTCCGTCTGGCTTGTGCTGACGACGA
 GTCACACCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101058 representing YP_001129481
 Red=Cloning sites Green=Tags

MADVDELEDPMEEMTSYTFARFLRSPETEAFVRNLDRPPQMPAMRYVYLYCLCEQIQEFSGETGFCDVFS
 SLVQENDSQDGPLKSIYWGLQEATDEQRTVLC SYVESMTRGQSENLMWDILRNGIISSSKLLSTIKNGP
 TKVFEPAPISTNHYFGGPVAFGLRCEDTVKDIVCKLICGDASANRQFGFMISPTDGFVSLDLCVNVES
 QGDFILFTDRSCIYEIKCRFKYLFKSEFDPIYPSYALYKRPCKRSFIRFINSIARPTVEYVDPGRLPS
 EGDYLLTQDEAWNLDVRRKRLGPGHDLVADSLAANRGVESMLYVMTDPSENAGRIGIKDRVPVNI FINP
 RHNYFYQVLLQYKIVGDYVRHSGGKPGRDCSPRVNIIVTAFFRKRSPDPATCTLGSDLLLDASVEIPVA
 VLVTPVPLPDSVIRKTLSTAAGSWKAYADNTFDTAPWVPSGLFADDESTP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_009334

ORF Size: 1410 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_001129481](#)
RefSeq ORF: 1410 bp

Locus ID: 5176208

MW: 52.7 kDa