

Product datasheet for **VC101152**

BGLF1 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BGLF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BGLF1
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 VC101152 represents NCBI reference of YP_401692 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATGTACATATTGATAATCAGGTGCTGAGTGGGCTTGGGACCCCCCTGCTGGTGCACCTTTTCGTGC
 CCGACACGGTCATGGCCGAGTTGTGTCCTAACAGAGTGCCAAACTGCGAAGGAGCCTGGTGCCAACTCT
 TTTTAGCGACAGAACTGGACTGACTCGGGTGTGCCGGTTTTTCGCCGCACGAGGCATGCTGCCGGGAAGG
 CCAAGCCATAGAGGAACCTTCACATCCGTGCCGTATACTGCGACGAGGGACTCCCCGAGCTCTACAATC
 CCTTCCATGTGCGGCCCTTTCGGTTCTACGATGAGGGGGTCTGGTGGGTGAGTTCAGATATACTACCT
 GTCCTCTTCGAGGGCGCAAGAGGGCACTGACTGACGGTCATCTCATCCGGGAGGCTAGCGGGTCCAG
 GAGAGCGCAGCCCAATGCAGCCTATCCCTATCGATCCTGGACCCCTGGAGGCGCAGGTATCGAACATA
 TGCTGTGCGCGCTGCTCAAGTGGAGCATCCCAAGACCTACGACCTGAAACAGATCCTGCTGGAATTAC
 TCAGGAGGAGAACAGGGCGAGCAACGGTTGGGACACGCCGTTCCCTGCCCTGTGCTGGGCCTTAGG
 CTGCGGGCAGGAGCAGAGACTAAAGCTGCTGCTGAAACCTCTGTGAGCAAACATACCCCCCCTGGAAA
 ACCCCAGCAACATCAGGGGTTGAGCTGGAGGAGAGGGGGTGGCGGGCGAGCTGGTACAGGCGGAACAGT
 CGGAGTTGGAAGTGGGGCATTGAGCCGCGTCCCAGTGTCTTCTCAAAAACAAGGCGGGCCATCAGAGAG
 TCCAGAGCCCTCGTAAGAGGCATCGCACATATCTTCTCACCACATGCCCTCTATGTGGTAACTTACCCCG
 AACTCAGTGCTCAGGGGAGGCTTCATAGGATGACAGCGGTACCCATGCTAGCCCAGCAACAGACCTGGC
 TGAGGTAAGTATCTTGGCGCCCCGAAAGAGAGTTCGGTTCCTGATCAGCGTAGCCTTGAGGATTCT
 GCGAGCTTCAGAGAGAAAATTGGCAATGCAGGCGTGGACCGCCAGCAGGAGATTCCAGTGGTCATCCCAA
 CATCCTACTCACGCATTTATAAGAACTCTGACCTTATTGCGAAGCGTTTTTTCACAGTGCAGACCAGGGT
 AAGTTGGGAATCATGTTGGTGAAGGCCACTATATCCAACGCCCTAAGACTCCAGATGCCTGTCTGTGG
 ATTGATAGTCATCCCTGTACGAGGAGGGTCCAGTGCCTGGGGCAAAGTGATTGATAGTAGGCCCCCGG
 GAGGACTTGTGGAGCTGCCTCTCAATTGGTCGCCCTGGGCACAGATGGCATTGTGTCATCTGCCAC
 AACAGTGATGGTCAGGCGTTTCTCGTCTCCCGGGGGTTCGTGATCAAAGGACAACCTGGCGTTGACC
 CCTGAGGAGAGGGCTACATCCTCGCTGCCACGGAATTAGACGGGAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101152 representing YP_401692
 Red=Cloning sites Green=Tags

MDVHIDNQVLSGLGTPLLVHLFVPDVTMAELCPNRVFNCEGAWCQTLFSDRTGLTRVCRVFAARGMLPGR
 PSHRGTFTSVPVYCDGLPELYNPFHVAALRFYDEGLVGELQIYYLSLFEGAKRALTDGHLIREASGVQ
 ESAAMQPIPIDPGPPGGAGIEHMPVAAAQVEHPKTYDLKQILLEITQEENRGEQRLGHAGSPALCLGLR
 LRAGAETKAAAETSLSKHPALENPSNIRGSAGGEGGGGAGTGGTVGVGSGALSRVPVFSKTRRAIRE
 SRALVRGIAHIFSPHALYVVTPELSAQRLHRMTAVTHASPATDLAEVSIILGAPEREFRLISVALRIS
 ASFREKLAMQAWTAQQEIPVVIPTSYSRIYKNSDLIREAFFTVQTRVSWESCWVKATISNAPKTPDACLW
 IDSHPLYEEGASAWGKVIDSRPPGGLVGAASQLVALGTDGHCVHLATSDGQAFLLVPGGFVIKQLALT
 PEERGYILARHGIRREQ

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_007605

ORF Size: 1521 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_401692](#)
RefSeq ORF: 1521 bp

Locus ID: 3783702

UniProt ID: [P03211](#)
MW: 54.5 kDa