

Product datasheet for **VC101147**

BGLF5 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BGLF5 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BGLF5
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 VC101147 represents NCBI reference of YP_401687 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGGACGTGGATGAACTGGAGGACCCCATGGAAGAGATGACTAGCTATACTTTTGCCCGCTTCTGA
GGTCTCCTGAAACCGAGGCTTTTCGTAAGGAATCTGCACAGGCCCCCCAGATGCCAGCAATGAGATTCGT
TTACCTTTATTGTCTTTGCAAACAAATCCAAGAATTTAGCGGCGAAACAGGCTTTTGTGATTTTGTTTCC
AGTCTGGTGCAGGAAAACGATTCCAAGGATGGACCATCTCTCAAATCCATCTATTGGGGACTTCAAGAAG
CCACGGATGAGCAGAGGACAGTTCTCTGCTCCTACGTTGAGAGTATGACACGGGGACAGTCAGAAAACT
CATGTGGGATATCCTGAGGAATGGCATCATCTCTCCAGCAAGCTTCTTAGCACAATAAAAATGGACCA
ACAAAGGTATTTGAACCCGCACCAATTTCCACGAACCACTATTTTGGAGGACCAGTGGCTTTTGGACTCA
GATGTGAAGACACCGTGAAGGACATTGTCTGCAAACCTGATCTGCGGTGATGCCTCCGCAAACCGGCAGTT
CGGTTTTATGATCTCTCCTACCGACGGCATCTTGGCGTGTCTTTGATCTTTGCGTCAATGTAGAGTCT
CAGGGCGACTTTATCCTTTTACTGATCGATCTTGTATCTACGAAATAAAGTGTGCTTCAAAATATCTGT
TTTCTAAGAGCGAGTTTGTATCCAATTTACCGAGTTACACAGCTTTGTACAAGAGGCCCTGCAAGCGAAG
TTTCATCCGATTTATCAATAGCATAGCTCGGCCAACTGTGGAATACGTACCCGACGGGCGCTGCCAAGC
GAGGGTGATTACCTGTTGACACAGGACGAGGCGTGAACCTCAAGGACGTACGCAAGCGAAAAGCTCGGAC
CTGGACATGACCTTGTGCGGATTCCTTGGCCGCTAACCGCGGCTCGAAAGCATGCTGTATGTCATGAC
CGACCCATCAGAGAACGACGAGGATTGGCATCAAGGATAGGGTGCCAGTGAACATATTCATCAATCCA
CGGCATAACTATTTTACCAAGTACTGCTCCAGTACAAAATCGTGGGAGATTATGTCAGGCACTCTGGCG
CGGGCAAACCTGGACGCGACTGCAGCCCAAGGGTGAACATCGTAACCGCATTCTTTAGAAAACGGAGCCC
ACTTGACCCCGCAACATGTACTTTGGGAAGCGATCTGTTGCTGGATGCCAGCGTGAAATACCCGTCGCA
GTTCTGCTCACGCCTGTCGTGCTTCCAGACAGCGTCATCAGAAAGACTCTGTCCACCGCTGCGGGATCAT
GGAAGGCCTACGCAGATAACACATTCGACACCGCTCCATGGGTGCCAAGCGGACTGTTTGGCGACGATGA
GTCCACTCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101147 representing YP_401687

Red=Cloning sites Green=Tags

MADVDELEDPMEEMTSYTFARFLRSPETEAFVRNLDRPPQMPAMRFVYLYCLCKQIQEFSGETGFCDFVS
SLVQENDSKDGPSTLKSIIYWLQEATDEQRTVLCYVESMTRGQSENLMWDILRNGIISSSKLLSTIKNGP
TKVFEPAPISTNHYFGGPVAFGLRCEDTVKDIVCKLICGDASANRQFGFMISPTDGFVSLDLCVNVES
QGDFILFTDRSCIEIKCRFKYLFKSEFDPIYPSYALYKRPCKRSFIRFINSIARPTVEYVDPGRLPS
EGDYLLTQDEAWNLDVVRKRLGPGHDLVADSLAANRGVESMLYVMTDPSENAGRIGIKDRVPVNI FINP
RHNYFYQVLLQYKIVGDYVRHSGGKPGRDCSPRVNIIVTAFRRKRSPLDPATCTLGSDLLLDASVEIPVA
VLVTPVPLPDSVIRKTLSTAAGSWKAYADNTFDTAPWVPSGLFADDESTP

TRTRRLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_007605

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_007605.1](#), [YP_401687](#)

RefSeq ORF: 1410 bp

Locus ID: 3783773

UniProt ID: [P03211](#)

MW: 52.7 kDa