

Product datasheet for **VC101150**

BGRF1/BDRF1 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BGRF1/BDRF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BGRF1/BDRF1
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 VC101150 represents NCBI reference of YP_401690 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCTACGCTTCCCAGCGGGGAGGCTGACCGAAAATCTCCGCAACGCCCTGCAGCAAGATCCACAA
CTCAGGGTTGTCTTGGAGCAGAACTCCAAGCATCATGTACACTGGCGCCAAGAGCGATCCGTGGGCACA
CCCCCTGGTTGGAATAACACGCCAGTAACTGTATTGCCCATGCTTCGGGCCTACTGCCGCCATTAC
GGCCCAAGGCCGTTTTTGTGCGTCCAGACGAATCACTCCCGATGTTCCGAGCCTCTCCAGCTTTGCACA
CCCCCTTCAAGTCCAGATGTGCTGCTGCCGAATTGAGAGACACCCTGCAGCGACTGCTTCCCCCTCC
AAACCTTGAGGATAGCGAGGCCCTCACAGAGTTTAAGACAAGTGTGAGCTCAGCACGGGCTATCCTGGAG
GACCCCACTTTCTTGAGATGAGAGAGTTCGTGACTTCCCTGGCTTCTTCTTAGTGGCAATACAAAC
ACAAACCCGCTCGACTGGAGGCATTCCAAAAGCAGGTGGTGTCCATTCTTTACTTCTTATTAGCAT
TAAGTCTCTCGAAATAACAGACACTATGTTTGACATTTTCCAGTCTGCTTTCGGTCTGGAGGAAATGACC
CTTGAAAAACTGCACATATTCAAGCAGAAGGCTTCTGTGTTTTGATACCTAGACGCCATGGAAAGACGT
GGATTGTCGTAGCCATAATTTCCCTGATCCTTTCAAATCTGTCTAATGTACAGATCCGGTACGTGGCCCA
TCAAAGCACGTGGCCAGTGTCTTCCAGGAAATCATTGATACTTTGACTAAGAGCTTTGACTCCAAG
CGAGTGGAAAGTAAACAAAGAGACTAGTACCATTACCTCCGGCACAGCGGAAAGATATCTAGTACTGTCA
TGTGCGCAACGTGTTTCAACAAAACAGCATCCGCGCCAAACATTCCATTTGTTGTTGTTGTTGTTGTTGTT
AAATTTTCAATAAAAGGAGGCCCTGCCAGCAATATTGGGATTTATGCTGCAAAAGGACGCAAGATTATC
TTCATCTAGTGTAACTCCGCCGATCAGGCCACCTCCTTTCTGTATAAACTGAAGGATGCACAGGAAA
GGCTCTTGAACGTCGTCAGCTATGTGTCAAGAACACCGCAGGACTTCGATATGCAGGACAGTATGGT
GTCATGCCCTTGCTTCAAGCTGCACATCCATCCTATATAACGATGGATTCTAACATAAGGGCGACTACC
AATCTGTTTTCTGACGGCGCATTGACACCGAGCTCATGGGAGATACGTCTAGTTTGTCCCAAGGTAGCC
TGTACGGACGGTGGAGACGATGCAATCAATCAACTGAGCTTTGCCGCGTAGACACGCTGAATCCTCG
CGTGGCCGGCAGGCTGGCCAGCAGTCTGTACGTTTATGTAGACCCTGCTTATACAAATAATACGTCCGCG
AGCGGAACCGGATTGCTGCCGTGACACATGACCGGGCTGACCCAAACCGAGTATTGTATTGGCCTGG
AACACTTCTTTTTGAAAGACCTTACTGGTGTGACGCCCTGCAGATCGCTACGTGCGTCTGGCCTCGT
GTCCAGTATTGTGACCCTGCACCCTCATTGGAGGAGGTGAAAGTCGCTGTAGAGGGGAATCCAGCCAG
GATAGCGCCGTGGCAATTGCATCCATCATCGGTGAAAGCTGTCTCTCCCTTGGCCTTCGTTACACCA
AGGATAAGACCTCCTCTCTGAGTGGCCGATGTATCTGCTCACTAACGAGAAAAGTAAAGCCTTTGAGAG
ACTGATCTATGCCGTCAACACAGCTAGTCTCTCTGCTCCAGGTGACCGTGAGCAATACATCCAGCTG
TCATTCGACCCAGTGTGTACCTGATCTCTCAGATCAGAGCCAACAAGCCTATCCCACTTCGAGACGGTA
CCTATACATATACGGGAAGCAGAGAAATCTTTCAGATGACGTACTGGTGGCACTGGTATGGCACATTT
TCTGGCCACCACCCAAAAGCATAACATTCAAAAAAGTGCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101150 representing YP_401690
Red=Cloning sites Green=Tags

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MLYASQRGRLTENLRNALQQDSTTQGCLGAETPSIMYTGAKSDRWAHPLVGTIHASNL YCPMLRAYCRHY
GPRPVFVASDESLPMFGASPALHTPVQVQMCLLPELRDTLQRLLPPPNEDESEALTEFKTSVSSARAILE
DPNFLEMREFVTSLASFLSGQYKHKPARLEAFQKQVVLHSFYFLISIKSLEITDTMFDIFQSAFGLEEMT
LEKLHIFKQKASVFLIPRRHGKTWIVVAIISLILSNLSNVQIGYVAHQKHVASAVFTEIIDTLTKSFDSK
RVEVNKETSTITFRHSGKISSTVMCATCFNKNNSIRGQTFHLLFVDEANFIKKEALPAILGFMLQKDAKII
FISSVNSADQATSFLYKCLKDAQERLLNVVSYVCQEHRQDFDMQDSMVSCPCFRLHIPSYITMDSNIRATT
NLFLDGAFSTELMGDTSSLSQGSLSRVTRDDAINQLELCRVDTLNPVAGRLASSLYVYVDPAYTNNNTSA
SGTGIAAVTHDRADPNRVIIVLGLHFFLKDLTGDAALQIATCVVALVSSIVTLHPHLEEVKVAVEGNSSQ
DSAVAIAIIGESCPLPCAFVHTKDKTSSLQWPMYLLTNEKSKAFERLIYAVNTASLSASQVTVSNTIQL
SFDPVLYLISQIRAIKPIPLRDGTYYTGKQRNLSDDVLVALVMAHFLATTQKHTFKKVH
    
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TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_007605

ORF Size: 2070 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_401690](#)

RefSeq ORF: 2070 bp

Locus ID: 3783767

UniProt ID: [P03211](#)

MW: 76.7 kDa