

## Product datasheet for **VC101139**

### **BKRF3 (NC\_007605) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BKRF3 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BKRF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>VC101139 representing YP_401679, <b>codon optimized</b> . Due to the complexity of YP_401679, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTCCCGGGGCTGGACCTGTGGCTGGACGAGCATGTGTGGAAGCGCAAGCAGGAAATAGGTGTG
AAAGGAGAAAACCTTCTGCTCCCTGACCTTTGGCTGGACTTCTTGACAGCTGAGCCCTATCTTCCAGAGA
AAACTCGCAGCCGTGATAGCGTGTGTGCGCAGGCTTGAACCCAGGCCACTGTGTACCCTGAAGAAGAT
ATGTGTATGGCCTGGGCACGATTCTGCGACCCCTCAGACATCAAGGTGGTTATTCTGGGCCAGGATCCA
TACCACGGGGACAGGCTAATGGCTGGCCTTCTCAGTAGCCTATGGGTTCCAGTGCCACCCTCACTT
CGAAACATCTATGCCGAGCTTACCCGGTCATTGCCAGAGTTCTCCCCCCTGACCATGGCTGCCTGGAC
GCCTGGGCGTCACAAGGGGTGCTGCTTCTCAATACTATACTCACTGTGCAGAAGGGAAAACCAGGCAGC
CACGCAGACATCGGCTGGGCTTGGTTTACAGACCATGTCATTAGCCTTCTGTCTGAGAGGCTGAAAGCT
TGCGTTTTTCATGCTCTGGGGAGCAAAGCCGGCGATAAGGCATCTCTGATCAACTCCAAAAGCACCTT
GTTCTTACATCCAGCACCCAGCCCTTTGGCCAAAACCTCTACGAGAAAGTCCGCCAGCAGAAGTTT
TTGGGAAACAACCACTTTGTTTTGGCGAATAAATTTCTGCGAGAAAAGGGGCTGGGAGAGATCGACTGG
AGACTT
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



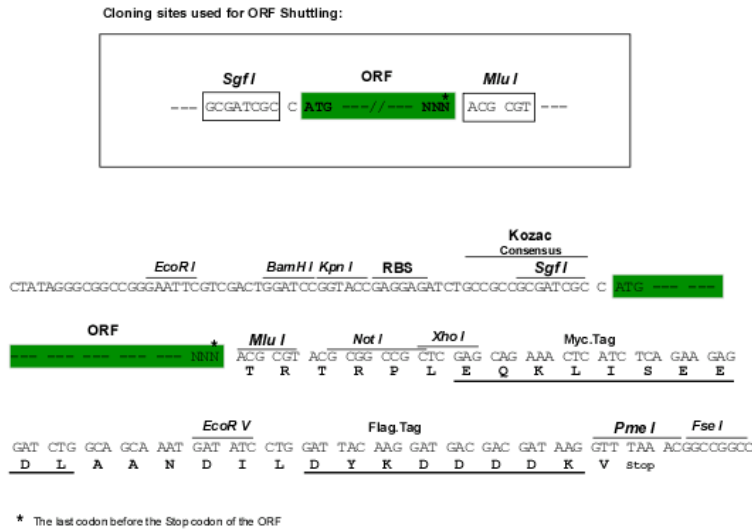
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**Protein Sequence:** >VC101139 representing YP\_401679  
 Blue=ORF Red=Cloning site Green=Tag(s)

MASRGLDLWLDEHVWKRKQEIGVKGENLLL PDLWDLFLQLSPIFQRKLAAVIACVRRRLRTQATVYPEED  
 MCMAWARFCDPSPDIKVVILGQDPYHGGQANGLAFSVAYGFVPPSLRNIYAELHRSLPEFSPPDHGCLD  
 AWASQGVLLLNTILTVQKKGKPGSHADIGWAWFTDHVISLLSERLKACVFMWLGAKAGDKASLINSKKHL  
 VLTLSQHPSPLAQNSTRKSAQQKFLGNNHFVLANNFLREKGLGEIDWRL  
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_007605

**ORF Size:** 765 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).

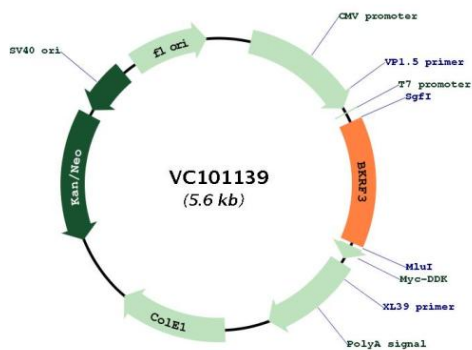
**Reconstitution Method:**

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:** [YP\\_401679](#)

RefSeq ORF: 765 bp  
 Locus ID: 3783711  
 UniProt ID: [P03211](#)  
 MW: 28.6 kDa

**Product images:**



Circular map for VC101139