

## Product datasheet for **VC101051**

### **BKRF4 (NC\_009334) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BKRF4 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BKRF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101051 represents NCBI reference of YP_001129474 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCTATGTTTCTCAAGAGCCGAGGTGTCAGAAGCTGCCGGACCGGAGGCTCCTGTCTGACGAAGAGG  
AGGAGACGTCTCAAAGCTCATCTACACTCTTGGCAGCCAAGCCTCCCAGAGCATCCAGGAGGAGGATGT  
CTCCGACACTGACGAGAGCGACTACTCCGACGAGGACGAGGAAATTGACCTCGAGGAAGAATATCCAAGC  
GACGAGGATCCGAGCGAAGGATCAGACAGCGATCCGAGCTGGCACCCATCTGACAGCGATGAAAGCGACT  
ATTCTGAGTCAGATGAGGACGAGGCCACGCCAGGTTCCAGGCATCTAGGAGCAGCAGAGTCAGCCCTTC  
TACCCAGCAGAGCTCTGGCCTGACACCTACACCTTCTTTTCAGCAGACCTCGAACACGGGCTCCCCCTAGA  
CCGCCTGCTCCAGCACCAGTGAGGGGGAGAGCCTTGCCCCACCAGCCCCCAGCTCCTGTCCAGCAGT  
CAACCAAAGATAAAGGACCCACCGACCAACCCGACCCGTGTTGAGAGGTCTGCCCCACGAGGCCCC  
TCCACCTCTTCCCAAACACCTACAATAAGCATATGATGGAGACAACACCACCTATTAAGGGGAACAAT  
AATTATAATTGGCCGTGGCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101051 representing YP\_001129474  
Red=Cloning sites Green=Tags

MAMFLKSRGVRSCRDRLLSDEEEETSQSSSYTLGSQASQSIQEEDVSDTDES DYSEDEEIDLEEEYPS  
 DEDPSEGSDDPSWHPSDSESDYSEDEDEATPGSQASRSSRVPSTQQSSGLTPTPSFSRPRTRAPPR  
 PPAPAPVRGRASAPRPPAPVQQSTKDKGPHRPTRPVLRGPAPRRPPPPSSPNTYNKHMMETTPPIKGN  
 NYNWPWL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_009334

**ORF Size:** 651 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\_001129474  
RefSeq ORF: 651 bp  
Locus ID: 5176197  
MW: 24.0 kDa