

## Product datasheet for **VC101077**

### **BVRF2 (NC\_009334) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BVRF2 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BVRF2
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 VC101077 represents NCBI reference of YP\_001129501 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGCAGGCTCCATCTGTGTACGTGTGCGGTTTCGTGGAGAGACCTGACGCACCCCTAAAGACGCAT  
 GCCTTCATCTCGATCCCCTTACAGTCAAAAGTCAACTTCCAATTA AAAAGCCCTGCCTCTTACAGTGGA  
 ACATCTGCCAGACGCTCCAGTCGGTAGTGTGTTGGGCTCTATCAGAGCAGAGCTGGTCTGTTACAGCGCT  
 GCTAGTATTACTTCTGGAGTTTTCTGTCCCTGTTGGACAGCATATACCAGACTGCGACATTGCCAGA  
 GTCAGAGACTCCCACTGCCTCGGAACCAAGCTGGAAGCACTTACGCATGGCTCCCCTCTTAGCCT  
 GGCCAGCTGCATCCCGATACCTCAAACAACAGCAGATGGGGCAAGCTGTCATTCTTCGATCACGTT  
 TCCATTTGTGCACTGGGAGAAGACGGGGACGACAGCTGTGTACGGGACCGACTTGGCCTGGGTACTGA  
 AGCACTTTTCTGACCTGGAGCCAAGTATCGCCGCGCAGATCGAAAATGATGCAAAATGCCCAAGCGCGA  
 AAGTGGTTGTCCAGAGGATCATCCGCTGCCACTACCAAGCTGATCGCCAAAGCCATCGATGCCGGCTTC  
 CTGAGAAATCGCGTGGAGACCCTGCGCCAAGACAGGGGAGTGGCCAACATCCCCGCCGAATCTTACTTGA  
 AAGCATCTGACGCCCCGATCTGCAGAAGCCTGATAAGGCCCTGCAATCACCCCCCTGCCTCAACCGA  
 CCCTGATACAATGTTGTCCGGGAATGCTGGGGAGGGGGCTACGGCTTGGCGAGGGAGCGCGGCCCGCGGA  
 CAAGACCTGATAAGCGTGCCAAGAAACACATTCATGACGCTGCTCCAGACTAATCTGGACAACAAGCCAC  
 CGCGCCAGACACCCCTGCCCTATGCCGCTCCTCTCCCTCATTAGCCACCAAGCTATCGCCACCGCACC  
 CTCTTACGGACCAGGTGCTGGAGCGGTGGCTCCCGCGGGAGGGTATTTACCTCACCTGGAGGGTACTAT  
 GCTGGCCACAGTGGCGGGATCCAGGGGCTTCTTGCCATGGATGCACACACTTACCACCCCAACCCAC  
 ACCCTCCTCCTGCCTACTTTGGGCTCCCGGCCCTTTTGGCCCGCCCCACCAGTGCACCCCTACTACGG  
 CTCCCACCTGAGAGCTGACTACGTCCCCGCCCGTCTCGCTCAAACAAGGAAGAGAGACCCCGAGGAG  
 GACGAGGAGGGGGTGGCTCTTCCGGGAGAGGACGCCACCCTTACAGGAAGGACATTGCTGGGCTGA  
 GCAAGTCAGTAAATGAGCTGCAGCACACTCTGCAAGCCCTGCGCAGGGAGACCCTTAGTTATGGGCATC  
 AGGAGTGGGCTACTGTCCGACAGGGGCTTGTCTATACACCCCGGACCTTACGGCTTTCAGCCTCAT  
 CAATCCTACGAGGTGCCGCTACGTCCACATCCGCCCTCCTCAACGAGCCATCAGGCCGCGCAGG  
 CTCACCCGCTCCTCCTGGCACTCAGGCACCAGAAGCCATTGTGTGGCTGAGAGCACCATTCCCGAGGC  
 TGGGGCCGAGGCAATAGTGGCCCCGGGAAGACACGAATCCACAGCAGCCTACCACCGAGGGACACCAT  
 CGGGGAAAAAAGCTCGTCCAGGCTTACGCCAGCGGGTAGCCCAATCAAAGAACCACGACCCCAAGG  
 CTAATCTGTGAGTGCACCTAAGTCCATCTTTGCGAAGAGCTTCTGAACAAACGAGTGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101077 representing YP\_001129501  
 Red=Cloning sites Green=Tags

MVQAPSVYVCGFVERPDAPPKDACLHLDPLTVKSQLPLKKPLPLTVEHLDPAPVGSVFLYQSRAGLFS  
 ASITSGVFLSLLDSIYHDCDIAQSQRLLPREPKLEALHAWLPSLSLASHLPDIPQTTADGGKLSFFDHV  
 SICALGRRRGTTAVYGTDLAWLKHFSLEPSIAAQIENDANAARKRESGCPEDHPLPLTKLIAKAIDAGF  
 LRNRVETLRQDRGVANIPAESYLKASDAPDLQKPKALQSPPPASTDPDPTMLSGNAGEGATACGSSAAAG  
 QDLISVPRNTFMTLLQTNLDNKPPRQTPLPYAAPLPPFSHQAIATAPSYGPGAGAVAPAGGYFTSPGGY  
 AGPAGGDPGAFAMDHAHTYHPHPHPPAYFGLPGLFGPPPPVPPYGGSHLRADYVPAPSRSNKRKRDP  
 DEEGGGLFPGEDATLYRKDIAGLSKSVNELQHTLQALRRETL SYGHTGVGYCPQQGPCYTHPGPYGFQPH  
 QSYEVPRYVPHPPPPPTSHQAAQAQPPPPGTQAPEAHCVAESTIPEAGAAGNSGPREDTNPQQPTTEGHH  
 RGKLLVQASASGVAQSKEPTTPKAKSVSAHLKSI FCEELLNKRVA

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_009334

**ORF Size:** 1815 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\\_001129501](#)

**RefSeq ORF:** 1815 bp

**Locus ID:** 5176187

**MW:** 64.2 kDa