

## Product datasheet for **VC101047**

### **BRRF2 (NC\_009334) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BRRF2 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRRF2
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 VC101047 represents NCBI reference of YP\_001129470 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCGGCCAACAGCGGGCTCCGTCATCCTGGTGCCGGAGCATTTGGCCGGTGCCTGACCAAACTTA  
TGAGCGATTTTATAACGGGCCAGGATGTCACACTGTCAGGAGGCAATATCGCAGTTAAAAACGGGATGC  
CATCAACCAAACACCAGGGGGAGGGGATGTTGCTATCCTGAGCTCACTTTTCGCCCTTTGGAATGCTCTG  
CCGACTAGCGGAAGGCAGTCTTCAAGAGATGACCTCATTCTGCAGCAGTACAGGCACTGACTACTGCAC  
ACAACCTTTGCCTGGCGTGATCCCGGTGAGACAAGCCACAAGGACACACCCGAGTCTCTGCTTAGAGC  
TATCGTGACAGGCCTCCAGAAATGTGGGTAGATAGCTGCGGGTGCCTGAGTGCCTGCAGTGTGAA  
GGATTGAAGGCGATCAAACAGGCCTCTATGAGATCCCACGAATTATCCCCACACCAAGCAGTGCAGCC  
CAGTCAACCTGTGAATATGCTCGTCCACAAGCTGGTGGCCTTGAGAGGTACGTTCAACTCGCGTACGA  
TGACGGGTACTACCCAGATTTCCATGAAATACCTGACCTGGACGATTAGACGAGTCTTCGCCCGG  
ACACTCCTGGCTGCCTGTTCCACCTCAATATGTTCTTTATCCTTAAAGACTACATCACCCAGGATTCAA  
TGAGTCTGAAACAGGCCCTGTCAGGTCATTGGATGTCCGCTACTGGTAACCCCTTCCCGCTGCCCCGA  
AACACTTCGCGATTACTTGGAGGCCTTTAGGAATAGTGACAACCACTTTTACCTTCTACCACCGGACCC  
CTCAACACTTTTAAATCCCTGAGGAGCTTCTCGGGCGGGTAGTAGTGATCGATTCTCCTTGTGTGCCG  
CTAGCCACGTTCCAGGACGTCATTACTAGGGCGTGGAGCCGGTGTGCCTCGCCCCAATCTTGGCCCT  
GCCGCTGCACCAAGCCGAAAACCTCAGCAGACATGCAGCCAGCTGACTCCAGAGGAAATGAATCATCC  
AGCGCAATCTCGGACAGCCTGGTGGCACCTCCCCGCCGTTCTCCAGTCTGCCCATCGTATCACTGA  
CCGCCTCCGGGGCAAAAACAAGATCGGGGAGGAATGGGATCCCTCCATCTCGCAAACCAAGAAACCTC  
ACCTGCAGTGAGTCCAGTATGCCCTATCGCCTACCCCGAGCCTCTCGGTCTAAGCAGCACTGCGCGTC  
ACCGGGAGTAGCCAAGCTGCACCCAGCAGTCTTTCAGTGGCGCCAGTGGCAGCCTGTCTGGGGACCTCG  
AAGAGGAGGAGGAGGCTCCAGAGAAAGCCCTACTGCCAGCTCCAAGAAGGGTGGCAGCAGTTTGA  
GGCCTGGCTGGAGGCACAGGACGCCAATTGAAAGACGTGCAGAGGGAATTCTCAGGCTGCGCGTGATC  
GGAGATGAGGATGAAGATGGCTCAGAGGATGGCGAATTCAGTGACCTTGATCTGAGCGACTTGACCAG  
AGGGGACGAGGGCGCGGAGCCGTGGGGGAGGTAGGTCTCTCCACTCATTGTATAGCCTCTCAGTGAT  
C

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101047 representing YP\_001129470

Red=Cloning sites Green=Tags

MSGQQRGSVILVPEHLGALTKLMSDFITGQDVTLSGGNIIVKIRDAINQTPGGDVAILSSLFALWNL  
PTSGRQSSRDDLIPAAVQALTTAHLNCLGVIPGETSHKDTPESELLRAIVTGLQKLWVWSCGPECLQCLK  
GLKAIKPLGLYEIPRIIPHTKQCSFVNLLNMLVHKLVALRGHVQLAYDARVLTPDFHEIPDLDDSDAVFAR  
TLAALFHLNMMFFILKDYITQDSMSLKQALSGHWSATGNPLPAAPETLRDYLEAFRNSDNHFYLPPTGP  
LNTFKFPEELLGRVVVIDSSLCAASHVQDVIITRGVGVPRPQFLALPPAPSRKPQQTCSQLTSRGNES  
RRNLGQPGGTSPAVPPVCPVIVSLTASGAKQNRGGMGSLHLAKPEETSPAVSPVCPVIAAPAASRSKQHC  
TGSSQAAPSSSSVAPVASLSDLEEEEGSRESPLSPSSKKGADFEAWLEAQDANFEDVQREFSGLRVI  
GDEDEDGSEDEGEFSDLSDSDHEGDEGGAVGGGRSLHSLYSLSVI

**TR**RRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_009334

**ORF Size:** 1611 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\\_001129470](#)
**RefSeq ORF:** 1611 bp

**Locus ID:** 5176160

**MW:** 56.9 kDa