

## Product datasheet for **VC101136**

### **BRRF2 (NC\_007605) Virus Tagged ORF Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | BRRF2 (NC_007605) 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 VC101136 represents NCBI reference of YP\_401676 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTCTGGACAACAGCGCGCAGTGTAAATCTGGTACCCGAGCACCTTGCAGGCGCCTTACTAACTCA  
TGTCTGATTTTATCACGGGCAAGATGTCACGTTGTCAGGGGGAATATTGCTGTGAAGATCCGAGATGC  
CATCAACCAGACTCCGGGCGGGGCGATGTGGCAATTCTGTCTAGTCTCTTTGCCCTTTGGAATGCCCTG  
CCTACCTCCGGCCGGCAGTCTCCAGAGACGATCTCATTCTGCCCGCTCCAGGCTTTGACAACAGCTC  
ACAACCTGTGTCTGGGCGTGATCCAGGCGAACTCTCACAAAGGACACGCCTGAGAGCCTGCTCAGGGC  
CATCGTTACCGGGCTGCAGAACTGTGGGTGGACAGCTGTGGCTGCCGGAGTGTTCAGTGCCTGAAG  
GGTCTGAAGGCTATCAACCTGGGCTCTATGAAATCCCGCGGATCATCCACATACGAAGCAGTGCCTC  
CAGTCAATCTCCTCAACATGCTTGTTCACAACTCGTGGCCCTGCGAGGCCACGTGCAGCTCGCTTATGA  
CGCAAGGTAAGTACCCCTGACTTCCATGAGATCCCGATCTGGACGACTCAGACGAGTCTTCGCTAGA  
ACCTGTTGGCAGCACTTTTACCTGAACATGTTCTTTATTCTCAAAGACTACATTACCCAGGACTCAA  
TGTCTCTTAAGCAGGCTCTCTCAGGGCACTGGATGTCTGCAACAGGAAACCCCTGCCTGCAGCCCCAGA  
GACTGCGGGACTATCTGGAAGCCTTCAGGAATCAGACAACCACTTCTACCTGCCTACCACGGGCCA  
CTTAACACTTTTTCAGTCCCTGAGGAGCTCTGGGCGCGTCTGGTAAATCGACTCCTCCTTGTGCGCAG  
CCTCCACGTTACGAGGCTATAACTCACGGTGTGGGAGCCGGGTTCCAAGACCTCGGTTTGTGCTCT  
TCCACCCGCCCCAGCCGCGAGCCCCAGCAGACTGTAGCCAACCTGACATCAAGAGGCAACGAAAGTTCC  
AGAAGGAACCTGGGACAGCCCGGCGGTACCTCCCGGCGTCCCTCCCGTCTGCCGATTGTCTCTCA  
CCGCTTCCGGAGCCAAACAGAATCGCGGGCATGGGATCACTCCATCTGGCAAAACCTGAAGAACTAG  
CCCAGCAGTGTCCCTGTATGTCCAATTGCTTCCCGGCCGCGAGTCGATCCAAGCAGCATTGTGGCGTG  
ACAGGCAGCTCCAGGCGGCCCAAGTTTCTTTCAGTGGCTCCTGTGGCCTCACTGTCTGGCGATCTCG  
AAGAAGAAGAAGAAGTTCCAGAGAGTCTCCTTCCCTCCCGTCCAGTAAAAAGGAGATGAGGAGTTCGA  
AGCATGGCTCGAGGCTCAGGATGCCAACCTTGAAGATGTGCAAGAGAGTTTTCCGGACTTCGGGTGATT  
GGAGACGAGGATGAGGATGGCAGCGAAGACGGCGAGTTCAGCGACCTCGACTGAGTGCCTGATCATG  
AGGGCGATGAGGGCGGGGTGCAGTAGGAGGCGCGGCTCTTGCCTCTTGTATAGCCTGTCTGTGGT  
A

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101136 representing YP\_401676

Red=Cloning sites Green=Tags

MSGQQRGSVILVPEHLGALTKLMSDFITGQDVTLSGGNIIVKIRDAINQTPGGDVAILSSLFALWNAL  
PTSGRQSSRDDLIPAAVQALTTAHLNCLGVIPGETSHKDTPESSLRAIVTGLQKLWVWSCGPECLQCLK  
GLKAIKPLGLYEIPRIIPHTKQCSFVNLLNMLVHKLVLRGHVQLAYDARVLTPDFHEIPDLDDSDAVFAR  
TLAALFHLNMMFFILKDYITQDSMSLKQALSGHWMSATGNPLPAAPETLRDYLEAFRNSDNHFYLPPTGP  
LNTFQFPEELLGRVVVIDSSLCAASHVQDVIITHGVGAGVPRPFSALPPAPSREPQQTCSQLTSRGNES  
RRNLGQPGGTSPAVPPVCPVIVSLTASGAKQNRGGMGSLHLAKPEETSPAVSPVCPVIAAPAASRSKQHC  
TGSSQAAPSFSSVAPVASLSDLEEEEGSRESPLSPSSKKGDEFEAWLEAQDANLEDVQREFSGLRVI  
GDEDEDGSEDEGEFSDLSDSDHEGDEGGAVGGGRSLHSLYLSV

**TR**RRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_007605

**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\\_007605.1, YP\\_401676](#)

**RefSeq ORF:** 1611 bp

**Locus ID:** 3783729

**UniProt ID:** [P03211](#)

**MW:** 57.0 kDa