

## Product datasheet for **VC101135**

### **BRRF1 (NC\_007605) Virus Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BRRF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRRF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101135 represents NCBI reference of YP_401675 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGCTCCAACAGGGGCAACGCCGCCATTGAAATCATTCTGCACGAATTGTACCTGAAACATT  
ATCCAGAGGTCGGCGACGTCGTCCACTTGCTCAACACCATGGCGTCGACTGTGACCTCCCCCTCACA  
TCCCCTTTGACAGCTCAGCGCGGGCTGTTCTGGCTCGGGTCTGCAGGCAGTCCAGCAGCACAACACT  
CTGGAAGATACCATAGTGCCCAAGATTCTGAAGAAGCTGGCTTATTTCTCGAGCTTCTGAGCTACTATT  
CCCCAAGGATGAACAGAGAGACATCGCAGAAGTCCTCGACCACTGAAGACTAATAGAGACCTCGGGCT  
GGACGATCGCCTCTGGGCACTCATAAGAAAGTTGAGACAGGACCGACACCATGCCTCAGTGAACGTGCTG  
ATGCCCGTTGACTACACTGCTGTTAGCCTGCAGTACTATGATGGAATCAGCATTGGAATGCGCAAAG  
TTATCGCCGACGTGTGCAGAAGTGGTTATGCGAGTATGCCTAGCATGACAGCTACACATAACTTGAGCCA  
CCAGTTGCTTATGGCCTCAGGACCCTCCGAGGAGCCTTGCAGTGGCGAGGCTTCTTCAATCAGGTGCTG  
CTGTGGACCGTGGCCCTGTGAAGTCCGGAGATGCATTTACTATAATTATTTCAAGGCTCTATAGCAA  
CCATCTCTCAGCTTCTGCACCTGAGATCAAAGCCCTTTGTAGCTGGATCATCTCACAGGATGGTATGCC  
ACTGTTCCAACATTCCAGGCCCTTGCTTACCTTGTGGGAGAGTGTAGCCGCTAATCAGGAAGTAACAGAC  
GCGATTACATTGCCCGATTGCGCCGAATACATCGATCTCCTGAAGCACACCAACACGTCCTCGAAAATT  
GTTCCAGCGATGCACTACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101135 representing YP\_401675  
Red=Cloning sites Green=Tags

MASSNRGNARPLKSFLHELKHYPEVGDVVHLLNTIGVDCDLPPSHPLLT AQRGLFLARVLQAVQQHKL  
 LEDTIVPKILKKLAYFLELLSYSPKDEQRDIAEVL DHLKTNRDGLDDR L WALIRKLRQDRHHASVNVL  
 MPGSDYAVSLQYYDGISIGMRKVIADVCRSGYASMP SMTATHNLSHQLLMASGPSEEP C AWRGFFNQVL  
 LWTVALCKFRRCIYYNYIQGSIATISQLLHLEIKALCSWIIISQDGMRLFQHSRPLLT LWESVAANQEVTD  
 AITLPDCAEYIDLLKHTKHVLENC SAMQYK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NC\_007605

**ORF Size:** 930 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\\_401675](#)  
RefSeq ORF: 930 bp  
Locus ID: 3783728  
UniProt ID: [P03211](#)  
  
MW: 35.3 kDa