

Product datasheet for **RR202705**

Brf1 (NM_001106761) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brf1 (NM_001106761) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR202705 representing NM_001106761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGGCCGCTGCGCGGTTGCGCGGCACGGACATCGAGTTGGATGCGGCGCGCGGACGCGG
 TGTGCACGGGCTGCGGTTGCGGTGCTCGAGGACAACATCATCGTGTCCGAGGTGCAGTTTCGTGGAGAACAG
 CGGCGGGCGCTCGTCGGCAGTCGGCCAGTTCTGTGCTGGACGGTGCAGGGAAAAACCCCAACCCTAGGC
 GGCGGCTTTCATGTAACCTGGGAAAGGAATCAAGAGCACAGACCCTACAGAATGGTATTCTCTACTTCA
 TCCTTGCTGACCATGGGGTGGGACAGGATGCTGGGGTGGGGGCGCGCCACATCCACCACCTGGGGAGCC
 AGTTGCAACTGAACCAGCACTGCCTGGACACAGCCTTCAACTTCTCAAGATGGCTGTAAGCAAGCATCT
 TACCCGAGGACGAAAAATGGCCATGTGATTGCTGCCTGCCTCTACTTGACATGCTCCTCGACCTCAGCG
 ACCTGCTCCAGGTTAACGTGTATGTGCTGGAAAGACCTTCTGCTCTTGGCGAGGGAGCTTTGCATCAA
 CGCACCAGCTATAGACCCATGCTGTACATTCCACGATTTGCGCATCTACTGGAATTTGGGAGAAGAAC
 CATGAGGTATCCATGACGGCCCTGAGGCTTCTGCAGAGGATGAAAAGGGATTGGATGCACACAGGCCGGC
 GCCCTCTGGCCTCTGTGGAGCAGCACTTCTGGTTGACGCCAGAATGCATGACTTCCGGAGAACCCTCAA
 AGAAGTCATCAGCGTGGTCAAAGTATGTGAGTCCACATTGCGGAAGAGGCTCACAGAATTTGAAGACACT
 CCAACCAGTCAGCTCACTATTGACGAGTTTATGAAGATTGACCTGGAGGAGGAGTGTGACCCGCCCTCAT
 ACACCGCTGGACAGAGGAAGCTGCGCATGAAGCAGCTGGAACAGGTCCTGTCCAAAAAGCTAGAAGAAGT
 TGAAGGTGAGATCCACTTACCAAGATGCCATTGAAATGAGCTAGAAAACAGTCGGCCAAAGGCTAAA
 GGGGCTCTCGCCAACTTGTCAAAGGATGGCTCCGGTGGAGACGCCACATCCAGCCCGTCTGTGAGGAAG
 ACCTGAGGATGAGGAGCTCGAGGCTGCTGCCAGCCACATGAACAAGGACTTTTACCGAGAGCTCCTGGG
 GGCTGATGGCGGCTCGGAGGCAGCAGAAGACGCTGATGGGGCAGCAGACCCCTCGCCCTGGAGTCCCTG
 CTTGGTCCCTGCCACAGCAGCCAGCCTGGGTATCTCAGACTCCATCCGAGAGTGCATCTCCTCCCCCA
 GTGGAGACCCAAAGACTCTTCAGGGGATGGGAGCTGGACCTCAGCGGCATCGATGACCTTGAGATTGA
 CAGATACATCCTGAACGAGTCAGAAGCCCGGTAAAGGCTGAGTTGTGGATGCGGGAGAATGCTGAGTAC
 CTGCGGGAACAGAAAGAGAAAGAAGCAAGAATAGCGAAGGAGAAGGAGCTTGGCATCTATAAGGAGCACA
 AGCCCAAGAAGTCTTCAAACGCCGGGAGCCAATCCTAGCCAGCACAGCCGGGAGGCCATTGAGAAGAT
 GCTGGAACAGAAGAAAATCTCCAGCAAGATCAACTACAGTGTGCTGCGGGACCTAACAGCAAGGGTGGG
 GGCAGCCCGCCAGGGACGACTCACAGCCTCCAGAGCACACCAGCACCAAGAAGCTGTACGGAGGAAAA
 GAGCAGCTACCAGGAACAGTGTGATCCTGGGACAAGCATGGGGAAGAGGTTGAGGCCTTTGGTGTCTGC
 TCAGCCCGCTAAGAAGGCAGCTGTGGGAGAGGCCCTTGCTCTTAAATTCCTGCCTTGGGAGCTGAGCCT
 GTCAAGCCATCGGCAGTCTTGGTGGAGAGTGGCCCTGTGTATACCATCCTGAGGAGGATGCAGATGAGG
 AGGACCGCGAGGAAGAGGATGGAGAGCCCTGCGTCAGTGTCTGCAGATGATGGGAGGCAATGATTATGG
 CTGTGATGGTGACGAGGATGATGGCTAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202705 representing NM_001106761
Red=Cloning site Green=Tags(s)

```

MTGRVCRGCGGTDIELDAARGDAVCTGCGSVLEDNIIVSEVQFVENSAGGSSAVGQFVSLDGAGKTPTLG
GGFHVNLGKESRAQTLQNGILYFILADHGVGQDAGVGAAPHPPPGEPVATEPALPGHSLQLLDGCKQAS
YPRTENGPCDCLPLLDMLLDLSDLLQVNVYVLGKTFLLLLARELCINAPAIIDPCLYIPRFAHLLLEFGEKN
HEVSM TALRLLQRMKRDWMHTGRRPSGLCGAALLVAARMHDFRRTVKEVISVVKVCESTLRKRLTEFEDT
PTSQLTIDEFMKIDLEEECDPPSYTAGQRKLRMKQLEQVLSKKLEEVEGEISTYQDAIEIELENSRPKAK
GALANLSKDGSGEDATSSPFCCEEDTEDELEAAAASHMNKDFYRELLGADGGSEAAEDADGGRPLALES
LGPLPTAASLGISDSIRECISSPSGDPKSSGDGELDLGIDDLIDRYILNESEARVKAELWMRENAEY
LREQKEKEARIAKEKELGIYKEHKPKKCKRREPILASTAGEAIEKMLEQKKISSKINYSVLRDLNSKGG
GSPRRDSSQPPEHTSTKKLSRRKRAATRSADPGTSMGKRLRPLVSAQPAKKAAVGEALLNSPALGAEP
VKPSAVLVESGPVSYHPEEDAEEDEAEEDGEPVCVSALQMMGGNDYGCDDGDEDDGY
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001106761

ORF Size: 2058 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001106761.1](#), [NP_001100231.1](#)

RefSeq Size: 2380 bp

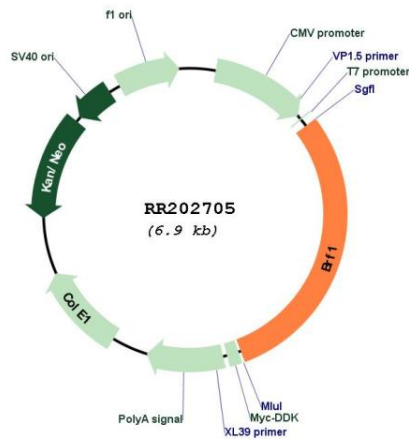
RefSeq ORF: 2061 bp

Locus ID: 299347

Cytogenetics: 6q32

MW: 74.1 kDa

Product images:



Circular map for RR202705