

## Product datasheet for **MR220093**

### **Brf1 (NM\_028193) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Brf1 (NM_028193) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brf1
Synonyms:	2510002F24Rik; GTF3B; mTFIIIB90; TAF3C; TAFIII90; TFIIIB90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR220093 representing NM\_028193  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACGGGCCCGCTGCGCGGGCTGCGCGGCACGGACATCGAGTTGGATGCGGCGCGCGCGATGCGG  
 TGTGCACGGGCTGCGGCTCGGTGCTCGAGGACAACATCATCGTGTCCGAGGTGCAGTTCTGGAGAACAG  
 CGGCGGGCGCTCGTGGCGGTGCGCCAGTTCTGTGCTGGACGGTGTGGGAAAACCCCAACCCTAGGA  
 GGTGGCTTTCACGTGAACCTGGGAAAGGAATCAAGAGCACAGACCCTGCAGAATGGGCGGCGCCACATCC  
 ACCACCTGGGAGCCAGCTGCAGCTAAACCAGCACTGCCTGGACACAGCATTCAATTTCTCAAGATGGC  
 TGTAAGCAAGCATCTTACCCGAGGACGGAAAATGGCCATGTGATTGCTGCCTCTACTTGGTTTGC  
 CGAACTGAAGGCACACCTCATATGCTCCTTGACCTCAGCGACTTGTCCAGGTTAACGTGTATGTGTTGG  
 GGAAGACGTTCTGCTCTTGGCGAGGGAGCTTTGCATCAACGCACCAGCTATAGACCCATGCTTGTACAT  
 TCCACGCTTTGCTCATCTGCTGGAGTTTGGGAGAAGAACCATGAAGTATCCATGACAGCCTTGAGGCTT  
 CTGCAGAGAATGAAAAGGGATTGGATGCACACGGGCGCGCCCTCCGGCCTCTGTGGAGCAGCACTTT  
 TGTTGACGCCAGAATGCATGACTTCCGGAGAACGGTCAAAGAAGTCATCAGTGTGGTCAAAGTATGTGA  
 GTCCACACTACGGAAGAGGCTCACAGAATTTGAAGACTCCAACCAGTCAGCTCACTATTGATGAGTTT  
 ATGAAGATTGACTTGGAGGAAGAGTGCAGCCCTCCCTCGTACACAGCTGGCCAGAGGAAGCTTCGCATGA  
 AGCAGCTGGAACAGGTCCTATCAAAAAGCTAGAAGAAGTTGAAGGTGAAATATCCAGTTACCAGGATGC  
 CATTGAAATTGAGCTAGAAAACAGTCGACCAAAAAGCAAAGGGGCTCTGGCCAACTTGTCAAAGGATGGC  
 TCCGGTGAGGACCCACATCCAGTCCACGCTGTGAGGAAGACTGAGGATGAGGAGCTGGAGGCTGCTG  
 CCAGCCACATGAACAAGGACTTCTACCGAGAGCTCCTCGGGACGATGACGGCTCGGAGGCAGCAGGAGA  
 CCCTGATGGGGGACGACAGCCCTCGCCCTGGAGTCCCTACTTGGTCCCTGCCCACAGCAGCCAGCCTG  
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 GGGAGCTGGACCTCAGTGGCATCGATGACCTTGAGATTGACAGATACATCTTGAATGAGTCAGAAGCCCG  
 AGTAAAAGCTGAGTTGTGGATGCGGGAGAATGCTGAGTACCTGCGGGAGCAGAAGGAGAAAAGCAAGA  
 ATAGCGAAGGAGAAGGAGCTTGGCATCTATAAGGAGCACAAAGCCAAAGAAGTCTTGCAAACGCCGGGAGC  
 CAATCCTGGCCAGCACAGCTGGGAGGCTATTGAGAAGATGCTGGAACAGAAGAAAATCTCCAGCAAGAT  
 CAACTACAGTGTGCTGCGGGACCTAACAGCAAGGGTGGAGGCAGCCACCCAGGGACGACTCACAGCCC  
 CCAGAGCGTGCCAGCACCAAGAAGCTGTACGGAGGAAAAGAGCAACTACCAGAAATAGTGCTGATCCTG  
 GGACAAGCACAGGAAGAGGTTGAGGCCTCTGCTGTCTGCCAGCCGGCGAAGAAGGCAGCCGTGGGAGA  
 GGCTTACTCTTAAGTTCTCCTGCCTTGGGAGCAGAGCCAATCAAGCCATCAGCAGTCTTGGTAGAGAGT  
 GGCCCTGTGCTGATACCTCCTGAGGAGGATGCAGATGAGGAGGACGCCGAGGACGAGGATGGAGAGCCCT  
 CGCTCAGTGTCTGCAGATGATGGGTGGCAATGATTACGGCTGTGATGGTATGAAGATGATGGCTAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220093 representing NM\_028193  
 Red=Cloning site Green=Tags(s)

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MTGRVCRGCGGTDIELDAARGDAVCTGCGSVLEDNIIVSEVQFVENSNGGSSAVGQFVSLDGAGKPTPLG
GGFHVNLGKESRAQTLQNGRRHIHHLGSQLQLNQHCLDTAFNFFKMAVSKHLTRGRKMAHVIAACLYLVC
RTEGTPHMLLDLSDLQVNVYVLGKTFLLLALELCINAPADPCLYIPRFAHLLFGEKNHEVSMALRL
LQRMKRDWMHTGRRPSGLCGAALLVAARMHDFRRTVKEVISVVKVCESTLRKRLTEFEDTPTSQLTIDF
MKIDLEEECDPPSYTAGQRKLRMKQLEQVLSKKLEEVEGEISSYQDAIEIELENSRPKAKGALANLSKDG
SGEDATSSPRCEEDTEDEELEAAASHMNKDFYRELLGDDDGSEAAGDPDGGSRPLALESLLGPLPTAASL
GISDSIRECISSPSGDPKDSSGDGELDLGIDDLIDRYILNESEARVKAELWMRENAEYLREQKEAR
IAKEKELGIYKEHKPKKSKRREPILASTAGEAIEKMLEQKKISSKINYSVLRDLNSKGGSPRRDSSQP
PERASTKKLSRRKRATRNADPGTSTGKRLRPLL SAQPAKKA VGEALLSSPALGAEPKPSAVLVES
GPVSYHPEEDAEDAEDAEDGEPVCSALQMMGGNDYGCDGDEDDGY
  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9047\\_h09.zip](https://cdn.origene.com/chromatograms/mm9047_h09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_028193

**ORF Size:** 2028 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\\_028193.3](#), [NP\\_082469.2](#)

**RefSeq Size:** 2755 bp

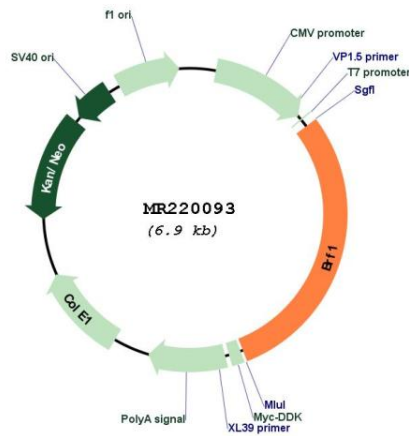
**RefSeq ORF:** 2031 bp

**Locus ID:** 72308

**Cytogenetics:** 12 F1

**MW:** 74.3 kDa

**Product images:**



Circular map for MR220093