

Product datasheet for **MG220093**

Brf1 (NM_028193) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brf1 (NM_028193) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Brf1
Synonyms:	2510002F24Rik; GTF3B; mTFIIB90; TAF3C; TAFIII90; TFIIB90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220093 representing NM_028193
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGGCCCGCTGCGCGCGGTGCGCGCCACGGACATCGAGTTGGATGCGGCGCGCGCGATGCGG
 TGTGCACGGGCTGCGGCTCGGTGCTCGAGGACAACATCATCGTGTCCGAGGTGCAGTTCTGGAGAACAG
 CGGCGCGCGCTCGTGGCGGTGCGCCAGTTCTGTGCTGGACGGTGTGGGAAAACCCCAACCCTAGGT
 GGTGGCTTTCACGTGAACCTGGGAAAGGAATCAAGAGCACAGACCCTGCAGAATGGGCGGCGCCACATCC
 ACCACCTGGGAGCCAGCTGCAGCTAAACCAGCACTGCCTGGACACAGCATTCAATTTCTCAAGATGGC
 TGTAAGCAAGCATCTTACCCGAGGACGGAAAATGGCCATGTGATTGCTGCCTCTACTTGGTTTGC
 CGAACTGAAGGCACACCTCACATGCTCCTTGACCTCAGCGACCTGCTCCAGGTTAACGTGTACGTGTTGG
 GGAAGACGTTCTGCTCTTGGCGAGGGAGCTTTGCATCAACGCACCAGCTATAGACCCATGCTTGTACAT
 TCCACGCTTTGCTCATCTGCTGGAGTTTGGGAGAAGAACCATGAAGTATCCATGACAGCCCTGAGGCTT
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 TGTTGACGCCAGAATGCATGACTTCCGGAGAACGGTCAAAGAAGTCATCAGTGTGGTCAAAGTGTGTGA
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 AGCAGCTGGAACAGGTCTGTCAAAAAGCTAGAAGAAGTTGAAGGTGAAATATCCAGTTACCAGGATGC
 CATTGAAATTGAGCTAGAAAACAGTCGACCAAAAAGCAAAGGGGCTCTGGCCAATTGTCAAAGGATGGC
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 ATAGCGAAGGAGAAGGAGCTTGGCATCTATAAGGAGCACAAAGCCAAAGAAGTCTTGCAAACGCCGGGAGC
 CAATCCTGGCCAGCACAGCTGGGAGGCTATTGAGAAGATGCTGGAACAGAAGAAAATCTCCAGCAAGAT
 CAACTACAGTGTGCTGCGGGACCTAACAGCAAGGGTGGAGGCAGCCACCCAGGGACGACTCACAGCCC
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 GGACAAGCACAGGAAGAGGTTGAGGCCTCTGCTGTCGGCCAGCCGGCAAGAAGGCAGCCGTGGGAGA
 GGCTTACTCTTAAGTTCTCCTGCCTTGGGAGCAGAGCCAGTCAAGCCATCAGCAGTCTTGGTAGAGAGT
 GGCCCTGTGCCGTACCATCCTGAGGAGGATGCAGATGAGGAGGACGCCGAGGACGAGGATGGAGAGCCCT
 CGCTCAGTGTCTGCAGATGATGGGTGGCAATGATTACGGCTGTGATGGTATGAAGATGATGGCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG220093 representing NM_028193
Red=Cloning site Green=Tags(s)

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MTGRVCRGCGGTDIELDAARGDAVCTGCGSVLEDNIIVSEVQFVENSNGGSSAVGQFVSLDGAGKTPTLG
GGFHVNLGKESRAQTLQNGRRRIHHLGSQLQLNQHCLDTAFNFFKMAVSKHLTRGRKMAHVIAACLYLVC
RTEGTPHMLLDLSDLLQVNVYVLGKTFLLLALELCINAPADPCLYIPRFAHLLFGEKNHEVSMTALRL
LQRMKRDWMHTGRRPSGLCGAALLVAARMHDFRRTVKEVISVVKVCESTLRKRLTEFEDTPTSQLTIDF
MKIDLEEECDPPSYTAGQRKLRMKQLEQVLSKKLEEVEGEISSYQDAIEIELENSRPKAKGALANLSKDG
SGEDATSSPRCEEDTEDEELEAAASHMNKDFYRELLGDDDGSEAGDPDGGSRPLALESLGPLPTAASL
GISDSIRECISSPSGDPKDSSGDGELDLSGIDDLEIDRYILNESEARVKAELWMRENAEYLREQKEKEAR
IAKEKELGIYKEHKPKKCKRREPILASTAGEAIEKMLEQKKISSKINYSVLRDLNSKGGGSPRRDSSQP
PERASTKKLSRRKRATRNSADPGTSTGKRLRPLL SAQPAKKA VGEALLLSSPALGAEPVKPSAVLVES
GPVYPYHPEEDAEDAEDAEDGEPVCSALQMMGGNDYGCDGDEDDGY
    
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TRTRPLE - GFP Tag - V

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](#)

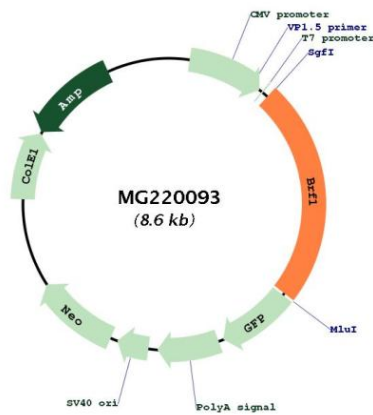
RefSeq Size: 2755 bp

RefSeq ORF: 2031 bp

Locus ID: 72308

Cytogenetics: 12 F1

Product images:



Circular map for MG220093