

## Product datasheet for **RC234493**

### BRF1 (NM\_001242786) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_001242786) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRF1
Synonyms:	BRF; BRF-1; CFDS; GTF3B; hBRF; HEL-S-76p; TAF3B2; TAF3C; TAFIII90; TF3B90; TFIIIB90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234493 representing NM\_001242786  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCGTGAGCAGGCACCTGACCCGCGCCGGAAGATGGCCACGTGATTGCTGCCTGCCTCTACCTGG  
 TCTGCCGTACGGAGGGCACGCCGCACATGCTCCTGGACCTCAGCGACCTGCTCCAGTGAATGTGTACGT  
 GCTTGAAAGACGTTTCTTCTCTTGGCAAGAGAGCTCTGCATCAATGCGCCGGCCATAGACCCGTGCCTG  
 TATATTCCACGCTTTGCGCACCTGCTGGAATTCGGGGAGAAGAACCACGAGGTGCCATGACTGCCTGA  
 GGCTCCTACAGAGGATGAAGCGGGACTGGATGCACACAGGCCGGCGCCCTCGGGCCTCTCGGGAGCAGC  
 GCTCCTGGTTGCAGCCAGAATGCATGACTTCAGGAGGACTGTGAAGGAGGTATCAGTGTGGTCAAAGTG  
 TGTGAGTCCACGCTGCGGAAGAGGCTCACGGAATTTGAAGACACCCACCAGTCAAGTGGTCAAGTGTG  
 AGTTCATGAAGATCGACCTGGAGGAGGAGTGCACCCCTCGTACACAGCTGGCAGAGGAAGCTGCG  
 GATGAAGCAGCTTGAACAAGTCTGTCAAAAAACTGGAGGAGGTTGAAGGTGAAATATCCAGTTACCAG  
 GATGCAATTGAGATTGAACTAGAAAACAGCCGGCCAAAGGCCAAGGGGGGCTGGCCAGCCTGGCAAAG  
 ATGGCTCCACCGAGGACACCGCTCCAGCTTGTGTGGCGAGGAGGACACAGAGGACGAGGAGCTGGAAAGC  
 CGCGGCCAGCCACCTGAACAAAGACTTATACCGGGAGCTCCTTGGTGGTCCCCCGGAGCTCGGAAGCA  
 GCAGGAAGCCCGAGTGGGGCGGAGACCTCCGGCCCTGGGGTCCCTGCTGGACCCCTCCCCACTGCAG  
 CCAGCCTGGGCATCTCAGACTCCATCCGCAATGCATCTCCTCTCAGAGCAGCGACCCAAAGATGCTTC  
 AGGAGACGGTGAAGTGGACCTCAGTGGCATTGATGACCTGGAGATTGACAGGCGGACCTTAGCATGCC  
 CGGTGTGCGAAGGCTAAAAGCCAGCCCCACTTCCCTGTGCTCGCCAGTACATCCTGAATGAGTCGGAAG  
 CCGCGTGAAGGCGAGCTGTGGATGAGGAGGAGACGCGGAGTACCTGCGGGAACAGAGGGAAAAAGAAC  
 AAGAATAGCGAAAAGAGAAGGAGCTCGGCATCTACAAGGAACACAAGCCCAAGAAGTCTTGCAAGCGACGG  
 GAGCCAATTCAGGCCAGTACCGCCAGGAGGCCATCGAGAAGATGCTGGAGCAGAAGAAGATCTCCAGCA  
 AGATCAATTATAGCGTGTCCGGGGCTCAGCAGCGCGGGGGGAGTCCGCACAGGAGGATGCACA  
 GCCCGAGCATAGCGCCAGTGCCAGGAAGCTGTCACGAAGGAGGACCGCGCCAGCAGAAGTGGGGCTGAC  
 CCTGTGACCAGTGTGGGAAAAGGTTGAGGCTCTGGTGTCTACGCAGCCAGCAAAGAAGTGGCCACGG  
 GAGAGGCTTTGCTCCCAAGCTCTCCACCCTCGGAGCTGAGCCTGCCAGGCCAGGCGGTGCTGGTGA  
 GAGCGGGCCGTGTACATACCAGCCGACGAGGAGGCTGACGAGGAGGAGCCTGACGAGGAGGACGGGGAG  
 CCCTGCGTCAGTCCCTGCAGATGATGGCAGCAACGACTATGGTGTGATGGCGATGAGGACGACGGCT  
 AC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234493 representing NM\_001242786  
 Red=Cloning site Green=Tags(s)

MAVSRHLTRGRKMAHVIAACLVLVCRTEGTPHMLLDLSDLLQVNVYVLGKTFLLARELCINAPAIIDPCL  
 YIPRFAHLLLEFGEKNHEVSMTALRLLQRMKRDWMHTGRRPSGLCGAALLVAARMHDFRRTVKEIVSVVKV  
 CESTLRKRLTEFEDTPTSQTLIDEFMKIDLEECDPPSYTAGQRKLRMKQLEQVLSKKLEVEGEISSYQ  
 DAIEIELENSRPKAKGLASLAKDGSTEDTASSLCGEEDTEDEELEAAASHLNKDLYRELLGGAPGSSEA  
 AGSPEWGRPPALGSLLDPLPTAASLGISDSIRECISSQSDPKDASGDGELDLSGIDDLIDRRDLSMP  
 RCAKAKSQPHFPVLAQYILNESEARVKAELWMRENAEYLREQREKEARIAKEKELGIYKEHKPKKSKRR  
 EPIQASTAREAIEKMLEQKKISSKINYSVLRGLSSAGGSPHREDAQPEHSASARKLSRRRTPASRSGAD  
 PVTSVGKRLRPLVSTQPAKKVATGEALLPSSPTLGAEPARPQAVLVESGPVSYHADEEADEEEDPEDEGE  
 PCVSALQMMGSNDYGCDDGDDGY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001242786

**ORF Size:** 1752 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\\_001242786.1](#), [NP\\_001229715.1](#)

**RefSeq Size:** 3452 bp

**RefSeq ORF:** 1755 bp

**Locus ID:** 2972

**UniProt ID:** [Q92994](#)

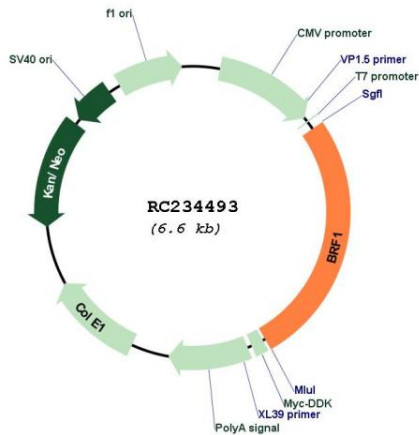
**Cytogenetics:** 14q32.33

**Protein Families:** Transcription Factors

**MW:** 64.7 kDa

**Gene Summary:** This gene encodes one of the three subunits of the RNA polymerase III transcription factor complex. This complex plays a central role in transcription initiation by RNA polymerase III on genes encoding tRNA, 5S rRNA, and other small structural RNAs. The gene product belongs to the TF2B family. Several alternatively spliced variants encoding different isoforms, that function at different promoters transcribed by RNA polymerase III, have been identified. [provided by RefSeq, Jun 2011]

**Product images:**



Circular map for RC234493