

Product datasheet for **RG234653**

BRF1 (NM_001242788) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_001242788) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BRF1
Synonyms:	BRF; BRF-1; CFDS; GTF3B; hBRF; HEL-S-76p; TAF3B2; TAF3C; TAFIII90; TF3B90; TFIIIB90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234653 representing NM_001242788
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGGCCGCTGTGCCGCGTTGCGCGGCACGGACATCGAGCTGGACGCGCGCGCGGGACGCGG
 TGTGCACCGCCTGCGGCTCAGTCTGGAGGACAACATCATCGTGTCCGAGGTGCAGTTCTGTGAGAGCAG
 CGGCGCGGCTCCTCGGCCGTGGCCAGTTCTGTCCCTGGACGGGAGGCCACATCCACCACCTGGGG
 AACCGACTGCAGCTGAACCAGCACTGCCTGGACACCGCCTTCAACTTCTTCAAGATGGCCGTGAGCAGGC
 ACCTGACCCGCGGCCGAAGATGGCCACGTGATTGCTGCCTGCCTTACCTGGTCTGCCGTACGGAGGG
 CACGCCGACATGCTCCTGGACCTCAGCGACCTGCTCCAGGTGAATGTGTACGTGCTTGGAAAGACGTTT
 CTTCTCTGGCAAGAGAGCTCTGCATCAATGCGCCGCCATAGACCCGTGCCTGTATATTCCACGCTTTG
 CGCACCTGCTGGAATTCGGGAGAAGAACCACGAGGTGCCATGACTGCCCTGAGGCTCCTACAGAGGAT
 GAAGCGGACTGGATGCACACAGGCCGGCGCCCTCGGCCCTCTGCGGAGCAGCGCTCCTGGTTGCAGCC
 AGAATGCATGACTTCAGGAGGACTGTGAAGGAGTTCATCAGTGTGGTCAAAGTGTGTGAGTCCACGCTGC
 GGAAGAGGCTCACGGAATTTGAAGACACCCCCACCACTCAGTTGACCATTGATGAGTTTATGAAGATCGA
 CCTGGAGGAGGAGTGGCAGCCCCCTCGTACACAGCTGGGCAGAGGAAGTGCAGGATGAAGCAGCTTGAA
 CAAGTCTGTCAAAAAACTGGAGGAGTTGAAGTGAATATCCAGTTACCAGGATGCAATTGAGATTG
 AACTAGAAAACAGCCGGCCAAAGGCCAAGGGGGCCTGGCCAGCCTGGCAAAAGATGGCTCCACCGAGGA
 CACCGCTCCAGCTTGTGTGGCGAGGAGACACAGAGGACGAGGAGCTGGAAGCCGCGGCCAGCCACCTG
 AACAAAGACTTATACCGGAGCTCCTTGGTGGTGCCTCGGCCAGCTCGGAAGCAGCAGGAAGCCCGGAGT
 GGGCGGCAGACCTCCGGCCCTGGGGTCCCTGCTGGACCCCTCCCACTGCAGCCAGCCTGGGCATCTC
 AGACTCCATCCGCGAATGCATCTCCTCTCAGAGCAGCAGCCCAAGATGCTTACGAGACGGTGAGCTG
 GACCTCAGTGGCATTGATGACCTGGAGATTGACAGGTACATCCTGAATGAGTCGGAAGCCCGCTGAAGG
 CCGAGCTGTGGATGAGGGAGAACCCGAGTACCTGCGGGAACAGAGGAAAAAGAAGCAAGAATAGCGAA
 AGAGAAGGAGCTCGGCATCTACAAGGAACAAGCCCAAGAGTCTTGAAGCGACGGGAGCCAATTGAG
 GCCAGTACCGCCAGGGAGGCCATCGAGAAGATGCTGGAGCAGAAGAAGATCTCCAGCAAGATCAATTATA
 GCGTGTCTCGGGGCTCAGCAGCGCCGGCGGGGAGTCCGCACAGGGAGGATGCACAGCCCGAGCATAG
 CGCCAGTCCAGGAAGCTGTCACGAAGGAGGACCGGCCAGCAGAAGTGGGGCTGACCTGTGACCAGT
 GTGGGAAAAGTTGAGGCTCTGGTGTCTACGCAGCCAGCAAAGAAGTGGCCACGGGAGAGGCTTTGC
 TCCAAGCTCTCCACCCTCGGAGCTGAGCCTGCCAGGCCAGCGGGTGTGTTGGAGAGCGGGCCCGT
 GTCATACCACGCCGACGAGGAGGCTGACGAGGAGGAGCCTGACGAGGAGGACGGGGAGCCCTGCGTCAGT
 GCCTGCAGATGATGGGCAGCAACGACTATGGCTGTGATGGCGATGAGGACGACGGCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234653 representing NM_001242788
 Red=Cloning site Green=Tags(s)

MTGRVCRGCGGTDIELDAARGDAVCTACGSVLEDNIIVSEVQFVESSGGSSAVGQFVSLDGRRIIHLG
 NQLQLNQHCLDTAFNFFKMAVSRHLTRGRKMAHVIAACLVLVCRTEGTPHMLLDLSDLLQVNVVVLGKTF
 LLLARELCINAPAIIDPCLYIPRFAHLLEFGEKNHEVSMTALRLLQRMKRDWMHTGRRPSGLCGAALLVAA
 RMHDFRRTVKEVISVVKVCESTLRKRLTEFEDTPTSQLTIDEFMKIDLEEECDPPSYTAGQRKLRMKQLE
 QVLSKKLEEVGEISSYQDAIEIELENSRPKAKGGLASLAKDGSTEDTASSLCGEEDTEDELEAAASHL
 NKDLYRELLGGAPGSSEAGSPEWGRPPALGSLLDPLPTAASLGTSDSIRECISQSSDPKASGDGEL
 DLSGIDDLIDRYILNESEARVKAELWMRENAEYLREQREKEARIAKEKELGIYKEHKPKKSKRREPIQ
 ASTAREAIKMLEQKKISSKINYSVLRGLSSAGGSPHREDAQPEHSASARKLSRRRTPASRSGADPVTS
 VGKRLRPLVSTQPAKKVATGEALLPSSPTLGAEPARQAVLVESGPVSYHADEEADEEEDDEEDGEPVCS
 ALQMMGSNDYGCDGEDDDGY

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_001242788

ORF Size: 1950 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_001242788.2](#)

RefSeq Size: 3596 bp

RefSeq ORF: 1953 bp

Locus ID: 2972

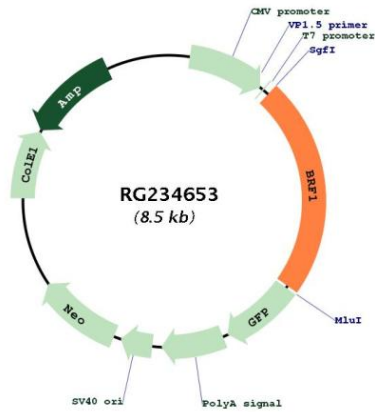
UniProt ID: [Q92994](#)

Cytogenetics: 14q32.33

Protein Families: Transcription Factors

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 RG234653