

Product datasheet for **RC234653**

BRF1 (NM_001242788) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_001242788) 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:

>RC234653 representing NM_001242788
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGGGCCCGTGTGCCGCGTTGCGCGGCACGGACATCGAGCTGGACGCGCGCGCGGGACGCGG
TGTGCACCGCCTGCGGCTCAGTGTGGAGGACAACATCATCGTGTCCGAGGTGCAGTTCTGTGGAGAGCAG
CGGCGCGGCTCCTCGGCCGTGGCCAGTTCTGTGCCCTGGACGGGAGGCGCCACATCCACCACCTGGGG
AACCGAGCTGCAGCTGAACCAGCACTGCCTGGACACCGCCTTCAACTTCTTCAAGATGGCCGTGAGCAGGC
ACCTGACCCGCGGCCGAAGATGGCCACGTGATTGCTGCCTGCCTTACCTGGTCTGCCGTACGGAGGG
CACGCCGACATGCTCCTGGACCTCAGCGACCTGCTCCAGGTGAATGTGTACGTGCTTGGAAAGACGTTT
CTTCTCTGGCAAGAGAGCTCTGCATCAATGCGCCGCCATAGACCCGTGCCTGTATATTCCACGCTTTG
CGCACCTGCTGGAATTCGGGAGAAGAACCACGAGGTGTCCATGACTGCCCTGAGGCTCCTACAGAGGAT
GAAGCGGACTGGATGCACACAGGCCGGCGCCCTCGGCCTCTGCGGAGCAGCGCTCCTGGTTGCAGCC
AGAATGCATGACTTCAGGAGGACTGTGAAGGAGTTCATCAGTGTGGTCAAAGTGTGTGAGTCCACGCTGC
GGAAGAGGCTCACGGAATTTGAAGACACCCCCACCACTCAGTTGACCATTGATGAGTTTATGAAGATCGA
CCTGGAGGAGGATGCGACCCCCCTCGTACACAGCTGGGAGAGGAAAGTGCAGGATGAAGCAGCTTGA
CAAGTCTGTCAAAAACTGGAGGAGTTGAAGTGAATATCCAGTTACCAGGATGCAATTGAGATTG
AACTAGAAAACAGCCGGCCAAAGGCCAAGGGGGCCTGGCCAGCCTGGCAAAAGATGGCTCCACCGAGGA
CACCGCTCCAGCTTGTGTGGCAGGAGGACACAGAGGACGAGGAGCTGGAAGCCGCGGCCAGCCACCTG
AACAAAGACTTATACCGGAGCTCCTTGGTGGTCCCCCGCAGCTCGGAAGCAGCAGGAAGCCCCGAGT
GGGGCGCAGACCTCCGGCCCTGGGGTCCCTGCTGGACCCCTCCCACCTGCAGCCAGCTGGGCATCTC
AGACTCCATCCGCGAATGCATCTCCTCTCAGAGCAGCGACCCCAAGATGCTTCAGGAGACGGTGAGCTG
GACCTCAGTGGCATTGATGACCTGGAGATTGACAGGTACATCCTGAATGAGTCGGAAGCCCGCTGAAGG
CCGAGCTGTGGATGAGGGAGAACCCGAGTACCTGCGGGAACAGAGGAAAAAGAAGCAAGAATAGCGAA
AGAGAAGGAGCTCGGCATCTACAAGGAACACAAGCCCAAGAAGTCTTGAAGCGACGGGAGCCAATTCAG
GCCAGTACCGCCAGGGAGGCCATCGAGAAGATGCTGGAGCAGAAGAAGATCTCCAGCAAGATCAATTATA
GCGTGTCCGGGGCCTCAGCAGCGCCGGCGGGGAGTCCGCACAGGGAGGATGCACAGCCCGAGCATAG
CGCCAGTCCAGGAAGCTGTACGAAGGAGGACCGGCCAGCAGAAGTGGGGCTGACCTGTGACCAGT
GTGGGGAAAAGTTGAGGCTCTGGTGTCTACGCAGCCAGCAAAGAAGTGGCCACGGGAGAGGCTTTGC
TCCAAGCTCTCCACCCTCGGAGCTGAGCCTGCCAGGCCCCAGGCGGTGCTGGTGGAGAGCGGGCCGT
GTCATACCACGCCGACGAGGAGGCTGACGAGGAGGAGCCTGACGAGGAGGACGGGGAGCCCTGCGTCAGT
GCCCTGCAGATGATGGGCAGCAACGACTATGGCTGTGATGGCGATGAGGACGACGGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC234653 representing NM_001242788
Red=Cloning site Green=Tags(s)

MTGRVCRGCGGTDIELDAARGDAVCTACGSVLEDNIIVSEVQFVESSGGGSSAVGQFVSLDGRRHIIHLG
 NQLQLNQHCLDTAFNFFKMAVSRHLTRGRKMAHVIAACL YLVCRT EGP HMLLDLSDLLQNVVYVLGKTF
 LLLARELCINAP AIDPCLYIPRFAHLLEFGEKNHEVSMTALRLLQRMKRDWMHTGRRPSGLCGAALLVAA
 RMHDFRRTVKEIVSVVKVCESTLRKRLTEFEDTPTSQLTIDEFMKIDLEEECDPPSYTAGQRKLRMKQLE
 QVLSKKLEEV EGEISSYQDAIEIELENSRPKAKGLASLAKDGSTEDTASSLCGEEDTEDELEAAASHL
 NKDLYRELLGGAPGSSEAAGSPEWGRPPALGSLLDPLPTAASLGISDSIRECISQSSDPKASGDGEL
 DLSGIDDLEIDRYILNESEARVKAELWMRENAEYLREQREKEARIAKEKELGIYKEHKPKKSKRRPEIQ
 ASTAREAIEKMLEQKKISSKINYSVLRGLSSAGGGSPHREDAQPEHSASARKLSRRRTPASRSGADPVTS
 VGKRLRPLVSTQPAKKVATGEALLPSSPTLGAEPARPQAVLVESGPVSYHADEEAEDEEPEDEEDGEPVCS
 ALQMMGSNDYGCDGEDDDGY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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](#)

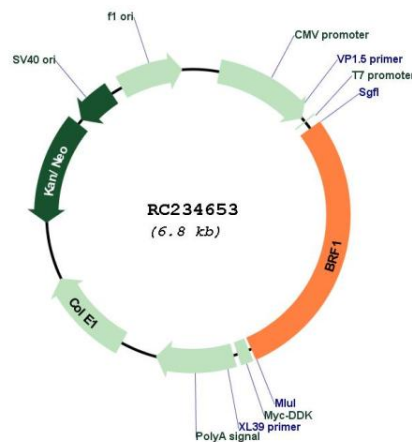
Cytogenetics: 14q32.33

Protein Families: Transcription Factors

MW: 71.6 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 RC234653