

Product datasheet for **RC234439**

BRF1 (NM_001242787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_001242787) 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:

>RC234439 representing NM_001242787
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGTGAGCAGGCACCTGACCCGCGCCGGAAGATGGCCACGTGATTGCTGCCTGCCTCTACCTGG
 TCTGCCGTACGGAGGGCACGCCGCACATGCTCCTGGACCTCAGCGACCTGCTCCAGTGAATGTGTACGT
 GCTTGAAAGACGTTTCTCTCTTGGCAAGAGAGCTCTGCATCAATGCGCCGGCCATAGACCCGTGCCTG
 TATATCCACGCTTTGCGCACCTGCTGGAATTCGGGGAGAAGAACCACGAGGTGCCATGACTGCCTGA
 GGCTCCTACAGAGGATGAAGCGGGACTGGATGCACACAGGCCGGCCCTCGGGCTCTGCGGAGCAGC
 GCTCCTGGTTGCAGCCAGAATGCATGACTTCAGGAGGACTGTGAAGGAGGTATCAGTGTGGTCAAAGTG
 TGTGAGTCCACGCTGCGGAAGAGGCTCACGGAATTTGAAGACACCCACCAGTCAAGTGTGACATTGATG
 AGTTCATGAAGATCGACCTGGAGGAGGAGTGCACCCCTCGTACACAGCTGGCAGAGGAAGCTGCG
 GATGAAGCAGCTTGAACAAGTCTGTCAAAAACTGGAGGAGTTGAAGTGAATATCCAGTTACCAG
 GATGCAATTGAGATTGAACTAGAAAACAGCCGGCCAAAGGCCAAAGGGGGCTGGCCAGCCTGGCAAAG
 ATGGCTCCACCGAGGACACCGCTCCAGCTTGTGTGGCGAGGAGGACACAGAGGACGAGGAGCTGGAAAGC
 CGCGGCCAGCCACCTGAACAAAGACTTATACCGGAGCTCCTTGGTGGTGCCTCCCGCAGCTCGGAAGCA
 GCAGGAAGCCCGAGTGGGGCGGACACCTCCGGCCCTGGGGTCCCTGCTGGACCCCTCCCACTGCAG
 CCAGCTGGGCATCTCAGACTCCATCCGCAATGCATCTCCTCTCAGAGCAGCGACCCCAAAGATGCTTC
 AGGAGACGGTGAAGTGGACCTCAGTGGCATTGATGACCTGGAGATTGACAGGTACATCCTGAATGAGTCG
 GAAGCCCGCTGAAGCCGAGCTGTGGATGAGGGAGAACGCCGAGTACCTGCGGGAACAGAGGGAAAAAG
 AAGCAAGAATAGCGAAAGAGAAGGAGCTCGGCATCTACAAGGAACAAGCCCAAGAAGTCTTGAAGCG
 ACGGGAGCCAATTACGGCCAGTACCGCCAGGGAGGCCATCGAGAAGATGCTGGAGCAGAAGAAGATCTCC
 AGCAAGATCAATTATAGCGTGTCCGGGCTCAGCAGCGCCGGCGGGGAGTCCGCACAGGGAGGATG
 CACAGCCCGAGCATAGCGCCAGTCCAGGAAGCTGTACGAAGGAGGACCGCGCCAGCAGAAGTGGGGC
 TGACCCTGTGACCAGTGTGGGAAAAGTTGAGGCCTCTGGTGTCTACGCAGCCAGCAAAGAAGTGGCC
 ACGGGAGAGGCTTTGCTCCCAAGCTCTCCACCCTCGGAGCTGAGCTGCCAGGCCCCAGGCGGTGTGG
 TGGAGAGCGGGCCGTGTATACCAGCCGACGAGGAGGCTGACGAGGAGGAGCTGACGAGGAGGACGG
 GGAGCCCTGCGTCAAGTCCCTGCAGATGATGGCAGCAACGACTATGGCTGTGATGGCGATGAGGACGAC
 GGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234439 representing NM_001242787
 Red=Cloning site Green=Tags(s)

MAVSRHLTRGRKMAHVIAACL YLVCRTEGTPHMLLDLSDLLQVNVYVLGKTFLLLAARELCINAPAI DPCL
 YIPRFAHLLLEFGEKNHEVSMTALRLLQRMKRDWMHTGRRPSGLCGAALLVAARMHDFRRTVKEVISVVKV
 CESTLRKRLTEFEDTPTSQLTIDEFMKIDLEECPPSYTAGQRKLRMKQLEQVLSKKLEEEVEGEISSYQ
 DAIEIELENSRPKAKGLASLAKDGSTEDTASSLCGEEDTEDEELEAAASHLNKDL YRELLGGAPGSSEA
 AGSPEWGRPPALGSLDPLPTAASLGISDSIRECISSQSSDPK DASGDGELDL SGIDDL EIDRYILNES
 EARVKAELWMRENAEYLREQREKARIAKEKELGIYKEHKPKKSKRREPIQASTAREAIEKMLEQKKIS
 SKINYSVLRGLSSAGGSPHREDAQPEHSASARKLSRRRTPASRS GADPVT SVGKRLRPLVSTQPAKKVA
 TGEALLPSSPTLGAEPARPQAVLVESGPVSYHADEEAEDEEPEDEEDGEPVSALQMMGSNDY GCDGEDD
 GY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001242787

ORF Size: 1686 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_001242787.1](#), [NP_001229716.1](#)

RefSeq Size: 3386 bp

RefSeq ORF: 1689 bp

Locus ID: 2972

UniProt ID: [Q92994](#)

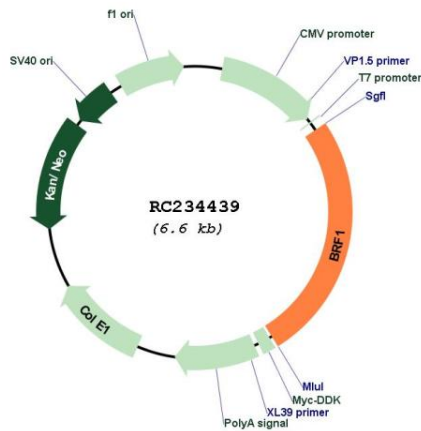
Cytogenetics: 14q32.33

Protein Families: Transcription Factors

MW: 62.3 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 RC234439