

Product datasheet for **RC234097**

BRF1 (NM_001242789) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_001242789) 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:

>RC234097 representing NM_001242789
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCATGACTTCAGGAGGACTGTGAAGGAGGTCATCAGTGTGGTCAAAGTGTGTGAGTCCACGCTGCGGA
 AGAGGCTCACGGAATTTGAAGACACCCACCAGTCAGTTGACCATTGATGAGTTTATGAAGATCGACCT
 GGAGGAGGAGTGCACCCCCCTCGTACACAGCTGGGCAGAGGAAGCTGCGGATGAAGCAGCTTGAACAA
 GTCCTGTCAAAAAAAGTGGAGGAGTTGAAGGTGAAATATCCAGTTACCAGGATGCAATTGAGATTGAAC
 TAGAAAACAGCCGGCCAAAGGCCAAGGGGGCCTGGCCAGCCTGGCAAAAGATGGCTCCACCGAGGACAC
 CGCGTCCAGCTTGTGTGGCGAGGAGACACAGAGGACGAGGAGCTGGAAGCCGCGCCAGCCACCTGAAC
 AAAGACTTATACCGGGAGCTCCTTGGTGGTGCCCCGGCAGCTCGGAAGCAGCAGGAAGCCCCGAGTGGG
 GCGGCAGACCTCCGGCCCTGGGGTCCCTGCTGGACCCCTCCCCACTGCAGCCAGCCTGGGCATCTCAGA
 CTCATCCGGAATGCATCTCCTCTCAGAGCAGCGACCCAAAGATGCTTCAGGAGACGGTGTGAGCTGGAC
 CTAGTGGCATTGATGACCTGGAGATTGACAGGTACATCCTGAATGAGTCGGAAGCCCGCTGAAGGCCG
 AGCTGTGGATGAGGGAGAACGCCGAGTACCTGCGGGAACAGAGGGAAAAAGCAAGAATAGCGAAAGA
 GAAGGAGCTCGGCATCTACAAGGAACACAAGCCCAAGAAGTCTTCAAGCGACGGGAGCCAAATTCAGGCC
 AGTACCGCCAGGGAGGCCATCGAGAAGATGCTGGAGCAGAAGAAGATCTCCAGCAAGATCAATTATAGCG
 TGCTCCGGGGCCTCAGCAGCGCCGGCGGGGAGTCCGCACAGGGAGGATGCACAGCCCGAGCATAGCGC
 CAGTGCCAGGAAGCTGTACGAAGGAGGACGCCGGCCAGCAGAAGTGGGGCTGACCCTGTGACCAGTGTG
 GGGAAAAGGTTGAGGCCCTCTGGTGTCTACGCAGCCAGCAAAAGAAGTGGCCACGGGAGAGGCTTTGCTCC
 CAAGCTCTCCACCCTCGGAGCTGAGCCTGCCAGGCCAGCGGTGCTGGTGGAGAGCGGGCCCGTGTGTC
 ATACCACGCCGACGAGGAGGCTGACGAGGAGGAGCCTGACGAGGAGGACGCGGGAGCCCTGCGTCACTGCC
 CTGCAGATGATGGCAGCAACGACTATGGCTGTGATGGCGATGAGGACGACGGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234097 representing NM_001242789
 Red=Cloning site Green=Tags(s)

MHDFRRTVKEVISVVKVCESTRKRLTEFEDTPTSQLTIDEFMKIDLEEECDPPSYTAGQRKLRMKQLEQ
 VLSKLEEEVEGEISSYQDAIEIELENSRPKAKGGLASLAKDGSTEDTASSLCGEEDTEDELEAAASHLN
 KDLYRELLGGAPGSSEAAGSPEWGRPPALGSLDPLPTAASLGISDSIRECISSQSSDPKDasGDGELD
 LSGIDDLEIDRYILNESEARVKAELWMRENAEYLREQREKEARIAKEKELGIYKEHKPKKSCKRREPIQA
 STAREAIEKMLEQKKISSKINYSVLRGLSSAGGGSPHREDAQPEHSASARKLSRRRTPASRSGADPVTSV
 GKRLRPLVSTQPAKKVATGEALLPSSPTLGAEPARPQAVLVESGPVSYHADEEEDDEEDGEPVSA
 LQMMGSNDYGCDGEDDDGY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001242789

ORF Size: 1317 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_001242789.1](#), [NP_001229718.1](#)
RefSeq Size: 2876 bp

RefSeq ORF: 1320 bp

Locus ID: 2972

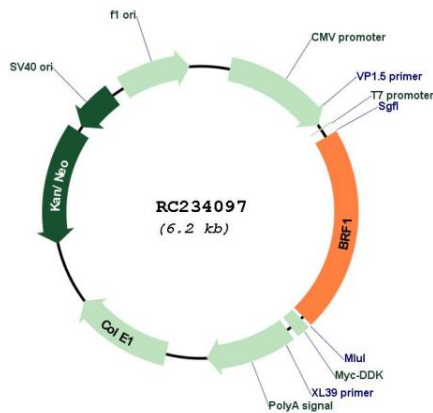
UniProt ID: [Q92994](#)
Cytogenetics: 14q32.33

Protein Families: Transcription Factors

MW: 48.4 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 RC234097