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Product datasheet for RC210551

BRF1 (NM_145685) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_145685) 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)

View online »

ORF Nucleotide Sequence:

>RC210551 representing NM_145685
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGGGCCGTGTGTGCCGCGGTTGCGGCGGCACGGACATCGAGCTGGACGCGGCGCGCGGGGACGCGG
TGTGCACCGCCTGCGGCTCAGTGCTGGAGGACAACATCATCGTGTCCGAGGTGCAGTTCGTGGAGAGCAG
CGGCGGCGGCTCCTCGGCCGTGGGCCAGTTCGTGTCCCTGGACGGGAGGCGCCACATCCACCACCTGGGG
AACCAGCTGCAGCTGAACCAGCACTGCCTGGACACCGCCTTCAACTTCTTCAAGATGGCCGTGAGCAGGC
ACCTGACCCGCGGCCGGAAGATGGCCCACGTGATTGCTGCCTGCCTCTACCTGGTCTGCCGTACGGAGGG
CACGCCGCACATGCTCCTGGACCTCAGCGACCTGCTCCAGGTGAATGTGTACGTGCTTGGAAAGACGTTT
CTTCTCTTGGCAAGAGAGCTCTGCATCAATGCGCCGGCCATAGACCCGTGCCTGTATATTCCACGCTTTG
CGCACCTGCTGGAATTCGGGGAGAAGAACCACGAGGTGTCCATGACTGCCCTGAGGCTCCTACAGAGGAT
GAAGCGGGACTGGATGCACACAGGCCGGCGCCCCTCGGGCCTCTGCGGAGCAGCGCTCCTGGTTGCAGCC
AGAATGCATGACTTCAGGAGGACTGTGAAGGAGGTCATCAGTGTGGTCAAAGTGTGTGAGTCCACGCTGC
GGAAGAGGCTCACGGAATTTGAAGACACCCCCACCAGTCAGTTGACCATTGATGAGTTCATGAAGATCGA
CCTGGAGGAGGAGTGCGACCCCCCCTCGTACACAGCTGGGCAGAGGAAGCTGCGGATGAAGCAGCTTGAA
CAAGTCCTGTCAAAAAAACTGGAGGAGGTTGAAGGTGAAATATCCAGTTACCAGGATGCAATTGAGATTG
AACTAGAAAACAGCCGGCCAAAGGCCAAGGGGGGCCTGGCCAGCCTGGCAAAAGATGGCTCCACCGAGGA
CACCGCGTCCAGCTTGTGTGGCGAGGAGGACACAGAGGACGAGGAGCTGGAAGCCGCGGCCAGCCACCTG
AACAAAGACTTATACCGGGAGCTCCTTGGTGGTGCCCCCGGCAGCTCGGAAGCAGCAGGAAGCCCCGAGT
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AGAGAAGGAGCTCGGCATCTACAAGGAACACAAGCCCAAGAAGTCTTGCAAGCGACGGGAGCCAATTCAG
GCCAGTACCGCCAGGGAGGCCATCGAGAAGATGCTGGAGCAGAAGAAGATCTCCAGCAAGATCAATTATA
GCGTGCTCCGGGGCCTCAGCAGCGCCGGCGGGGGCAGTCCGCACAGGGAGGATGCACAGCCCGAGCATAG
CGCCAGTGCCAGGAAGCTGTCACGAAGGAGGACGCCGGCCAGCAGAAGTGGGGCTGACCCTGTGACCAGT
GTGGGGAAAAGGTTGAGGCCTCTGGTGTCTACGCAGCCAGCAAAGAAGGTGGCCACGGGAGAGGCTTTGC
TCCCAAGCTCTCCCACCCTCGGAGCTGAGCCTGCCAGGCCCCAGGCGGTGCTGGTGGAGAGCGGGCCCGT
GTCATACCACGCCGACGAGGAGGCTGACGAGGAGGAGCCTGACGAGGAGGACGGGGAGCCCTGCGTCAGT
GCCCTGCAGATGATGGGCAGCAACGACTATGGCTGTGATGGCGATGAGGACGACGGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210551 representing NM_145685
Red=Cloning site Green=Tags(s)

MTGRVCRGCGGTDIELDAARGDAVCTACGSVLEDNIIVSEVQFVESSGGGSSAVGQFVSLDGRRHIHHLG
NQLQLNQHCLDTAFNFFKMAVSRHLTRGRKMAHVIAACLYLVCRTEGTPHMLLDLSDLLQVNVYVLGKTF
LLLARELCINAPAIDPCLYIPRFAHLLEFGEKNHEVSMTALRLLQRMKRDWMHTGRRPSGLCGAALLVAA
RMHDFRRTVKEVISVVKVCESTLRKRLTEFEDTPTSQLTIDEFMKIDLEEECDPPSYTAGQRKLRMKQLE
QVLSKKLEEVEGEISSYQDAIEIELENSRPKAKGGLASLAKDGSTEDTASSLCGEEDTEDEELEAAASHL
NKDLYRELLGGAPGSSEAAGSPEWGGRPPALGSLLDPLPTAASLGISDSIRECISSQSSDPKDASGDGEL
DLSGIDDLEIDRYILNESEARVKAELWMRENAEYLREQREKEARIAKEKELGIYKEHKPKKSCKRREPIQ
ASTAREAIEKMLEQKKISSKINYSVLRGLSSAGGGSPHREDAQPEHSASARKLSRRRTPASRSGADPVTS
VGKRLRPLVSTQPAKKVATGEALLPSSPTLGAEPARPQAVLVESGPVSYHADEEADEEEPDEEDGEPCVS
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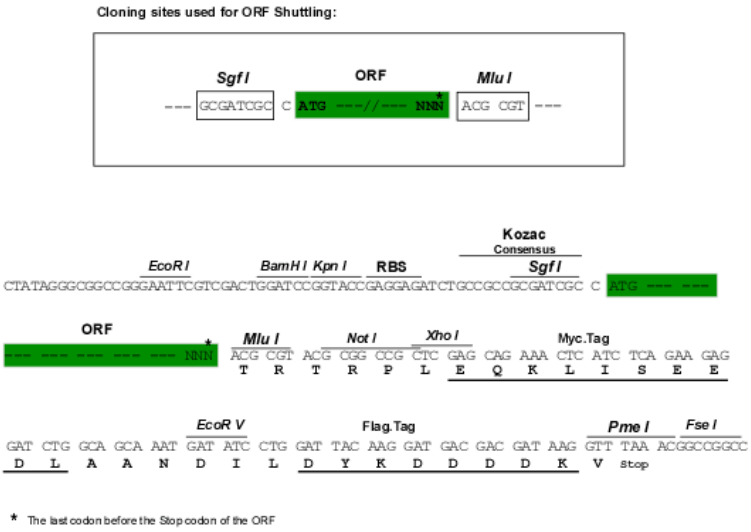
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145685

ORF Size: 1953 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_145685.1, NM_145685.2, NP_663718.1

RefSeq Size: 3585 bp

RefSeq ORF: 1422 bp

Locus ID: 2972

UniProt ID: Q92994

Cytogenetics: 14q32.33

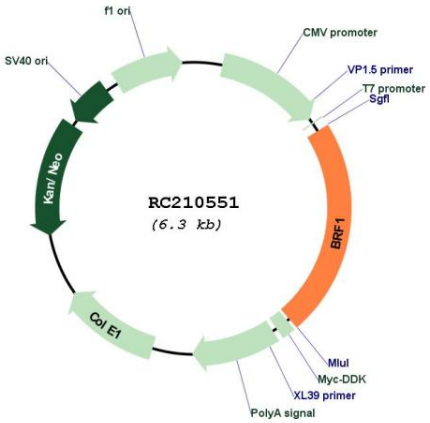
Domains: transcript_fac2

Protein Families: Transcription Factors

MW: 71.1 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 RC210551