

Product datasheet for **RG210551**

BRF1 (NM_145685) Human Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RG210551 representing NM_145685
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGGCCGTGTGTGCCGCGTTGCGCGGCACGGACATCGAGCTGGACGCGCGCGCGGGACGCGG
 TGTGCACCGCCTGCGGCTCAGTGTGGAGGACAACATCATCGTGTCCGAGGTGCAGTTCTGTGAGAGCAG
 CGGCGCGGCTCCTCGGCCGTGGCCAGTTCTGTCCCTGGACGGGAGGCCACATCCACCACCTGGGG
 AACCGACTGCAGCTGAACCAGCACTGCCTGGACACCGCCTTCAACTTCTTCAAGATGGCCGTGAGCAGGC
 ACCTGACCCGCGCGGAAGATGGCCACGTGATTGCTGCCTGCCTTACCTGGTCTGCCGTACGGAGGG
 CACGCCGACATGCTCCTGGACCTCAGCAGCTGCTCCAGGTGAATGTGTACGTGCTTGGAAAGACGTTT
 CTTCTCTGGCAAGAGAGCTCTGCATCAATGCGCCGCCATAGACCCGTGCCTGTATATCCACGCTTTG
 CGCACCTGCTGGAATTCGGGAGAAGAACCACGAGGTGCCATGACTGCCCTGAGGCTCCTACAGAGGAT
 GAAGCGGACTGGATGCACACAGGCCGGCGCCCTCGGCCCTCTGCGGAGCAGCGCTCCTGGTTGCAGCC
 AGAATGCATGACTTCAGGAGGACTGTGAAGGAGTTCATCAGTGTGGTCAAAGTGTGTGAGTCCACGCTGC
 GGAAGAGGCTCACGGAATTTGAAGACACCCCCACCACTCAGTTGACCATTGATGAGTTTATGAAGATCGA
 CCTGGAGGAGGATGCGACCCCCCTCGTACACAGCTGGGAGAGGAAGTGCAGGATGAAGCAGCTTGAA
 CAAGTCTGTCAAAAACTGGAGGAGTTGAAGTGAATATCCAGTTACCAGGATGCAATTGAGATTG
 AACTAGAAAACAGCCGGCCAAAGGCCAAGGGGGCCTGGCCAGCCTGGCAAAAGATGGCTCCACCGAGGA
 CACCGCTCCAGCTTGTGTGGCAGGAGGACACAGAGGACGAGGAGTGGAAAGCCGCGCCAGCCACCTG
 AACAAAGACTTATACCGGAGCTCCTTGGTGGTCCCGCCAGCTCGGAAGCAGCAGGAAGCCCGGAGT
 GGGCGGCAGACCTCCGGCCCTGGGGTCCCTGCTGGACCCCTCCCACTGCAGCCAGCTGGGCATCTC
 AGACTCCATCCGCGAATGCATCTCCTCTCAGAGCAGCAGCCCAAGATGCTTCCAGGACGGTGAAGTCTG
 GACCTCAGTGGCATTGATGACCTGGAGATTGACAGGTACATCCTGAATGAGTCCGGAAGCCCGCTGAAGG
 CCGAGCTGTGGATGAGGGAGAACCCGAGTACCTGCGGGAACAGAGGAAAAAGAAGCAAGAATAGCGAA
 AGAGAAGGAGCTCGGCATCTACAAGGAACAAGCCCAAGAGTCTTGAAGCGACGGGAGCCAATTGAG
 GCCAGTACCGCCAGGGAGGCCATCGAGAAGATGCTGGAGCAGAAGAAGATCTCCAGCAAGATCAATTATA
 GCGTGTCCGGGGCCTCAGCAGCGCCGGCGGGGAGTCCGCACAGGGAGGATGCACAGCCCGAGCATAG
 CGCCAGTCCAGGAAGCTGTACGAAGGAGGACCGGCCAGCAGAAGTGGGGCTGACCTGTGACCAGT
 GTGGGAAAAAGTTGAGGCTCTGGTGTCTACGCAGCCAGCAAAGAAGTGGCCACGGGAGAGGCTTTGC
 TCCAAGCTCTCCACCCCTCGGAGCTGAGCCTGCCAGGCCAGCGGGTGTGGTGGAGAGCGGGCCCGT
 GTCATACCACGCCGACGAGGAGGCTGACGAGGAGGAGCCTGACGAGGAGGACGGGGAGCCCTGCGTCAGT
 GCCTGCAGATGATGGGCAGCAACGACTATGGCTGTGATGGCGATGAGGACGACGGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG210551 representing NM_145685
 Red=Cloning site Green=Tags(s)

MTGRVCRGCGGTDIELDAARGDAVCTACGSVLEDNIIVSEVQFVESSGGSSAVGQFVSLDGRRHIIHLG
 NQLQLNQHCLDTAFNFFKMAVSRHLTRGRKMAHVIAACLVLVCRTEGTPHMLLDLSDLLQVNVVVLGKTF
 LLLARELCINAPAIIDPCLYIPRFAHLLFGEKNHEVSMTALRLLQRMKRDWMHTGRRPSGLCGAALLVAA
 RMHDFRRTVKEVISVVKVCESTLRKRLTEFEDTPTSQLTIDEFMKIDLEEECDPPSYTAGQRKLRMKQLE
 QVLSKKLEEVEGEISSYQDAIEIELENSRPKAKGGLASLAKDGSTEDTASSLCGEEDTEDELEAAASHL
 NKDLYRELLGGAPGSSEAGSPEWGGRRPALGSLLDPLPTAASLGTSDSIRECISQSSDPKASGDGEL
 DLSGIDDLIDRYILNESEARVKAELWMRENAEYLREQREKEARIAKEKELGIYKEHKPKKSKRREPIQ
 ASTAREAIKMLEQKKISSKINYSVLRGLSSAGGSPHREDAQPEHSASARKLSRRRTPASRSGADPVTS
 VGKRLRPLVSTQPAKKVATGEALLPSSPTLGAEPARPQAVLVESGPVSYHADEEADEEEDDEEDGEPVCS
 ALQMMGSNDYGCDGEDDDGY

TRTRPLE - GFP Tag - V

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:	<ol style="list-style-type: none">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_145685.2 , 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
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]