

Product datasheet for **SC108221**

BRF1 (NM_145685) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_145685) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRF1
Synonyms:	BRF; BRF-1; CFDS; GTF3B; hBRF; HEL-S-76p; TAF3B2; TAF3C; TAFIII90; TF3B90; TFIIB90
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145685, the custom clone sequence may differ by one or more nucleotides

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ATGACTGCCCTGAGGCTCCTACAGAGGATGAAGCGGGACTGGATGCACACAGGCCGGCGCCCTCGGGCC
TCTGCGGAGCAGCGCTCCTGTTGCAGCCAGAATGCATGACTTCAGGAGGACTGTGAAGGAGTCAATCAG
TGTGGTCAAAGTGTGTGAGTCCACGCTGCGGAAGAGGCTCACGGAATTTGAAGACACCCACCAGTCAAG
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AGAGGAAGCTGCGGATGAAGCAGCTTGAACAAGTCTGTCAAAAACTGGAGGAGTTGAAGGTGAAAT
ATCCAGTTACCAGGATGCAATTGAGATTGAACTAGAAAACAGCCGGCCAAAGGCCAAGGGGGCCTGGCC
AGCCTGGCAAAAGATGGCTCCACCGAGGACACCGCGTCCAGCTTGTGTGGCGAGGAGACACAGAGGACG
AGGAGCTGGAAGCCGCGCCAGCCACCTGAACAAAGACTTATACCGGGAGCTCCTTGGTGGTGCCCCCGG
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CTCCCCACTGCAGCCAGCCTGGGCATCTCAGACTCCATCCGCAATGCATCTCCTCTCAGAGCAGCGACC
CCAAAGATGCTTCAGGAGACGGTGTGAGCTGGACCTCAGTGGCATTGATGACCTGGAGATTGACAGGTACAT
CCTGAATGAGTCGGAAGCCCGCTGAAGGCCGAGCTGTGGATGAGGGAGAACGCCGAGTACCTGCGGGAA
CAGAGGGAAAAAAGCAAGAATAGCGAAAGAGAAGGAGCTCGGCATCTACAAGGAACACAAGCCCAAGA
AGTCTTGAAGCAGCGGGAGCCAATTGAGCCAGTACCGCCAGGGAGGCCATCGAGAAGATGCTGGAGCA
GAAGAAGATCTCCAGCAAGATCAATTATAGCGTGTCTCCGGGGCTCAGCAGCGCCGGCGGGGCGAGTCCG
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GCAGAAGTGGGGCTGACCCTGTGACCAGTGTGGGAAAAGGTTGAGGCCTCTGGTGTCTACGCAGCCAGC
AAAGAAGGTGGCCACGGGAGAGGCTTTGCTCCCAAGCTCTCCACCTCGGAGCTGAGCCTGCCAGGCC
CAGGCGGTGCTGGTGGAGAGCGGGCCGTGTCATACCACGCCAGCAGGAGGCTGACGAGGAGGAGCCTG
ACGAGGAGGACGGGGAGCCCTGCGTCAGTGCCTGCAGATGATGGGCAGCAACGACTATGGCTGTGATGG
CGATGAGGACGACGGCTACTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145685 unedited
TATTCCCCCGCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC
AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG
AATTCCGGCAGCAGGGAAAGACGTTTTCTCTTTGGCAAGAGAGCTCTGCATCAATGCGCC
GGCCATAGACCCGTGCCTGTATATTCCACGCTTTGCGCACCTGCTGGAATTCGGGGAGAA
GAACCACGAGGTGTCCATGACTGCCCTGAGGCTCTACAGAGGATGAAGCGGGACTGGAT
GCACACAGGCCGGCCGCCCCCTCGGGCCTCTGCGGAGCAGCGCTCCTGGTTGCAGCCAGAAT
GCATGACTTCAGGAGGACTGTGAAGGAGTTCATCAGTGTGGTCAAAGTGTGTGAGTCCAC
GCTGCGGAAGAGGCTCACGGAATTTGAAGACACCCCCACCACTCAGTTGACCATTGATGA
GTTTCATGAAGATCGACTGGAGGAGGAGTGCACCCCCCTCGTACACAGCTGGGCAGAG
GAAGCTGCGGATGAAGCAGCTTGAACAAGTCTGTCAAAAAACTGGAGGAGGTTGAAGG
TGAAATATCCAGTTACCAGGATGCAATTGAGATTGAACTAGAAAACAGCCGGCCAAAGGC
CAAGGGNGGGCCTGGCCAGCCTGGCAAAGATGGCTCCACCGANGACACCGCGTNCAGCT
TGTGTGGCGAGGAGACACANGAGACGAGGAGCTGGAAGCCGNCGCCAGCCACCTGAAAA
CAAGACTATACNGGAGCTCTTNGTGGTCCCCCGCAGCTCGGAAGCAGCAGAAGCCC
CCGAGTGGGGCGCAGACCTCCGCCCCCTGGGGTCCCCTGCTGGACCCCTCCCCACTGC
AGCCAGCTGGGCATCTCAGACTCCATCCGGAATGCATCTNCTCTCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_145685 unedited
NGGTTCACTATGNACCGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTCTGTT
AAGTAACAACAGATCTTCTGCTTTACTAAATCTATTCTTCCCCAAGCCCTCGAGAAGC
CCTGGCAGGACCCAGGCTGGCTACTGAGCTCTGGGCGGGGTAGGGGGTCTGGCCTGCT
GCGGGCCAAGTTGGGGCAGGACATACAGCCATTCCATGGGGAGGATGAGCCCCCTGGGG
GTCAAGTGAAGCAGGCTCTGCCTCAAGGCCACCCCTCCTAAGGACACAGGGTGAAGCCC
CCTCGGCCACATCCGGGGCAGCCATGCCAGAGCTGAGACCTCCTACGAGTGGTACTGGGG
CCTTCCCACGAAGAGGCCTGGGGAGGCTCTCGGGCCTCCGTCTGCCCTCCCTCCTCGATG
GGGGGCCTGATCCAGCTCTGACAGGGAGCGCCACTGCCCTCTGGCTCTGTCCACGGGGAA
CTCCCAGCGCCAGGACACTATGCAGGCTATGCCCGCACTGCCTACAGAGCTATGCTCAGG
ACGGGTGGGGCGCGGTCTCAGCTGTGCGGCACTCAGTTACCTGCCGGCAGCCGAGGGC
TCCTGGGCCACAACTCAAGTGGCCCTGGAGCAAGGGTCTGACCCCATGCTGCTCTCTAG
CGGTGCAAGCAACGGGGAAAGGGGTCTTGAAGAAGCAAGGTGGGGGGTCTTCCCCCA
CAAAAAATATTTTATGCCAGGCCCCCTGGAGGCAAAGACCTCACAGGAGTGGCGG
CTCTTAAAGGCCAATCCTCAATTTACAGGTGCCCGGAAACCCGAGGGCTTTGGTTTC
CCTCTCCACAACTTTTGGCCCCAAATTTTGAAGGGAACGGGCGG

Restriction Sites:

NotI-NotI

ACCN:

NM_145685

Insert Size:

3000 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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](#), [NP_663718.1](#)

RefSeq Size: 3585 bp

RefSeq ORF: 3585 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]

Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant (1). The resulting isoform (3) is shorter at the N-terminus compared to isoform 1.