

## Product datasheet for **SC111637**

### **BRF1 (NM\_001519) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_001519) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRF1
Synonyms:	BRF; BRF-1; CFDS; GTF3B; hBRF; HEL-S-76p; TAF3B2; TAF3C; TAFIII90; TF3B90; TFIIIB90
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC111637 sequence for NM\_001519 edited (data generated by NextGen Sequencing)

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ATGACGGGCCGCGTGTGCCGCGGTTGCCGGCGCACGGNNNNNAGCTGGACGGCGCGCGC
GGGGACCGCGGTGTGCACCGCCTGCCGGCTCAGTGTGGAGGACAACATCATCGTGTCCGAG
GTGCAGTTCGTGGAGAGCAGCGCGCGGCTCCTCGGCCGTGGCCAGTTCGTGTCCCTG
GACGGTGTGGCAAACCCCGACTCTGGGTGGCGGCTTCCACGTGAATCTGGGGAAGGAG
TCGAGAGCGCAGACCCTGCAGAATGGGAGCGCCACATCCACCACCTGGGGAACCAAGCTG
CAGCTGAACCAGCACTGCCTGGACACCGCCTTCAACTTCTTCAAGATGGCCGTGAGCAGG
CACCTGACCCGCGCGGGAAGATGGCCACGTGATTGCTGCCTGCCTCTACCTGGTCTGC
CGTACGGAGGGCACGCCGCACATGCTCCTGGACCTCAGCGACCTGCTCCAGGTGAATGTG
TACGTGCTTGGAAAGACGTTTCTTCTTGGCAAGAGAGCTCTGCATCAATGCGCCGGCC
ATAGACCCGTGCCTGTATATCCACGCTTGGCGACCTGCTGGAATTCGGGGAGAAGAAC
CACGAGGTGTCCATGACTGCCCTGAGGCTCTACAGAGGATGAAGCGGGACTGGATGCAC
ACAGGCCGGCGCCCTCGGGCCTCTGCGGAGCAGCGCTCCTGGTTGCAGCCAGAATGCAT
GACTTCAGGAGGACTGTGAAGGAGGTCATCAGTGTGGTCAAAGTGTGTGAGTCCACGCTG
CGGAAGAGGCTCACGGAATTTGAAGACACCCCCACCAGTCAGTTGACCATTGATGAGTTC
ATGAAGATCGACCTGGAGGAGGAGTGCACCCCCCTCGTACACAGCTGGGCAGAGGAAG
CTGCGGATGAAGCAGCTTGAACAAGTCCTGTCAAAAAAAGTGGAGGAGGTTGAAGGTGAA
ATATCCAGTTACCAGGATGCAATTGAGATTGAACTAGAAAACAGCCGGCCAAAGGCCAAG
GGGGCCCTGGCCAGCCTGGCAAAAGATGGCTCCACCGAGGACACCGCGTCCAGCTTGTGT
GGCGAGGAGGACACAGAGGACGAGGAGCTGGAAGCCGCGGCCAGCCACCTGAACAAGAC
TTATACCGGGAGTCTTGGTGGTGCCTCCCGGAGCTCGGAAGCAGCAGGAAGCCCGGAG
TGGGGCGGCAGACCTCCGGCCCTGGGGTCCCTGCTGGACCCCTCCCACTGCAGCCAGC
CTGGGCATCTCAGACTCCATCCGCGAATGCATCTCCTCTCAGAGCAGCGACCCCAAGAT
GCTTCAGGAGACGGTGAAGTGGACCTCAGTGGCATTGATGACCTGGAGATTGACAGGTAC
ATCCTGAATGAGTCGGAAGCCCGCTGAAGGCCGAGCTGTGGATGAGGGAGAACGCCGAG
TACCTGCGGGAACAGAGGAAAAAGCAAGAAATAGCGAAAGAGAAGGAGCTCGGCATC
TACAAGGAACACAAGCCCAAGAAGTCTTGAAGCGACGGGAGCCAATTCAGGCCAGTACC
GCCAGGGAGGCCATCGAGAAGATGCTGGAGCAGAAGAAGATCTCCAGCAAGATCAATTAT
AGCGTGTCCGGGCTCAGCAGCGCCGGCGGGGAGTCCGCACAGGGAGGATGCACAG
CCCGAGCATAGCGCCAGTGCCAGGAAGCTGTACGAAGGAGGACCGCGCCAGCAGAAGT
GGGGCTGACCCTGTGACCAGTGTGGGAAAAGGTTGAGGCCTCTGGTGTCTACGCAGCCA
GCAAAGAAGTGGCCACGGGAGAGGCTTTGCTCCCAAGCTCTCCACCCTCGGAGCTGAG
CCTGCCAGGCCCCAGGCGGTGCTGGTGGAGAGCGGGCCCGTGTACATACCACGCCGACGAG
GAGGCTGACGAGGAGGAGCCTGACGAGGAGGACGGGGAGCCCTGCGTCAGTGCCCTGCAG
ATGATGGGCAGCAACGACTATGGCTGTGATGGCGATGAGGACGACGGCTACTGA

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Clone variation with respect to NM\_001519.3  
 38 a=>n;39 c=>n;40 a=>n;41 t=>n;42 c=>n;43 g=>n

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001519 unedited  
 TCGGAANNNGNATACGACTTACTATAGGGCGGCCGCAATTCGCACGAGGGAGAGTCTTGG  
 GAGGCTCCGGGCGCTGCCCGCGCGGTCCGCGCATGACGGGCCGCGTGTGCCGCGTTGC  
 GGCGGCACGGACATCGAGCTGGACGCGCGCGCGGGGACGCGGTGTGCACCCGCTGCGGC  
 TCAGTGTGGAGGACAACATCATCGTGTCCGAGGTGCAGTTCTGTGGAGAGCAGCGCGGC  
 GGCTCCTCGGCCGTTCCACGTGAATCTGGGGAAGGAGTCGAGAGCGCAGACCCTGCAGAATGGG  
 AGGCGCCACATCCACCCTGGGGAACCAGCTGCAGCTGAACCAGCACTGCCTGGACACC  
 GCCTTCAACTTCTTCAAGATGGCCGTGAGCAGGCACCTGACCCGCGGCCGGAAGATGGCC  
 CACGTGATTGCTGCCTCTACCTGGTCTGCCGTACGGAGGGCAGCCGCACATGCTC  
 CTGGACCTCAGCGACCTGCTCCAGGTGAATGTGTACGTGCTTGGAAAGACGTTTCTTCTC  
 TTGGCAAGAGAGCTCTGCATCAATGCGCCGGCCATAGACCCGTGCCTGTATATCCACGC  
 TTTGCGCACCTGTGGAATTCGGGGAGAAAGAACCACGAGTGTCCATGACTGCCCTGAGG  
 CTNCTACAGNNAGATGAAAGCGGACTGGATGCACACAGGCCGGGGCCCCCTCGGCCTCTG  
 CGGAGCAGCGCTCCTGGNTGCAGCCAGAATGCATGACTTNCAGAGGACTGTGAAAGGAGT  
 CATCAGTGTGGTCAAAGTGTGTGAGTCCACGCTGCNGNAGAAGCTCACGGATTNGAGA  
 ACCCCACAGTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001519 unedited  
 GCTATGGACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTTTGGTAAAGAACAACAGGAACCTCCTGGTTTACATAAACTAT  
 TCTTCCCCAAACCTTGAAAAACCTGGCAGGAACCAAGCTGGTACTGAGCTCTGGGC  
 GGGGTAGGGGGTCTGGCCTGCTGCGGCCAAGTTGGGGCAAGACATACAGCCATTTC  
 ATGGGGAGGATGAGGCCCTGGGGGCAATGAGGGACGGGTCTGGCTCAAGGGCACCCCC  
 TCCTAAGGACACAGGGGAAGCCCCCTCGGCCACATTCGGGGCAGCCATGCCAGAGCTGA  
 GACCTCTACGAGGGGGACCGGGGCCCTCCCCAAAAGGCTGGGGAGGCTCTCGGGCCT  
 CCGGCTGGCCTTCTTCTCGATGGGGGGCCGAACCCGCTTTGACCGGGAGCGCCCTGG  
 CCTCTGGTTTTGTACGGCAACTTCAAAGCCCGGACCTATGCCGGCTATGCCCGCACT  
 GCCCAACGAACCTTGTCTCAGGACGGGGGGCGCCGGCTCAAATTGTGGCCCTAAGTCAC  
 CTGGCGGACGCCCAAGGTTTCTGGGGCCACAAACCAAGGGGGCTGGAGCAAGGGTCCG  
 ACCCCCCTGCTGTCCAGCGGCCAGCACGGGCACGGGGGCTTGTTCGACGCCCCCTC  
 TCCCCCTTCCACCCCTCCGCGTCCCCCCCCCCCCCATTCCGCTCCCTTTTTTTTT  
 TTCCTTGTTTTTCCCCCCCCCCCCCCTTACGCCCTTTTCTTTTCCCTTCCCCC  
 TTCCCTCTCCCCCTCCCCCCTTCTCCCCCTCCCTCCCCCCTTCCACTTCTCAC  
 CCACTCCCTCCCTTTCTCCCCCTTATTCCCTCCCCCTCCACCCCCCTTGCC  
 CTCCCCACCCCTTCCCG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_001519

**Insert Size:**

3370 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001519.2</u> , <u>NP_001510.2</u>
<b>RefSeq Size:</b>	3660 bp
<b>RefSeq ORF:</b>	2034 bp
<b>Locus ID:</b>	2972
<b>UniProt ID:</b>	<u>Q92994</u>
<b>Cytogenetics:</b>	14q32.33
<b>Domains:</b>	transcript_fac2, CYCLIN
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>