

## Product datasheet for **RC233438**

### BRF1 (NM\_001242790) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BRF1 (NM\_001242790) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** BRF1  
**Synonyms:** BRF; BRF-1; CFDS; GTF3B; hBRF; HEL-S-76p; TAF3B2; TAF3C; TAFIII90; TF3B90; TFIIB90  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC233438 representing NM\_001242790  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACGGGCCGCGTGTGCCGCGTTGCGCGGCACGGACATCGAGCTGGACGCGCGCGCGGGACGCGG  
 TGTGCACCGCCTGCGGCTCAGTGTGGAGGACAACATCATCGTGTCCGAGGTGCAGTTCGTGGAGAGCAG  
 CGGCGCGGCTCCTCGCCGTGGCCAGTTCGTGTCCCTGGACGGTGTGGCAAACCCGACTCTGGT  
 GCGCGTCCACGTGAATCTGGGAAGGAGTCGAGAGCGCAGACCCTGCAGAATGGGAGGCCACATCC  
 ACCACCTGGGAACAGCTGCAGCTGAACCAGCACTGCCTGGACACCGCCTTCAACTTCTCAAGATGGC  
 CGTGAGCAGGCACCTGACCCGCGCCGGAAGATGGCCACGTGATTGCTGCCTGCCTCTACTGGTCTGC  
 CGTACGGAGGGCAGCCGCACATGCTCCTGGACCTCAGCGACCTGCTCCAGGTAGACAGCCTCCGTCTG  
 CATCTTTCCACCTGGGTTGTGACCTGGGGTTGTGACCAGGGTTGTGACCGGGTGTACCCAGGTG  
 CCTCCACGCATCTCAGTGCCGCTGTGTGCTGCCAGTCAGGAAGTTTTGGTCTGTAGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC233438 representing NM\_001242790  
 Red=Cloning site Green=Tags(s)

MTGRVCRGCGTDIELDAARGDAVCTACGSVLEDNIIVSEVQFVLESSGGSSAVGQFVSLDGAGKPTLGG  
 GGFHVNLGKESRAQTLQNGRRRIHHLGNQLQNLQHCLDTAFNFFKMAVSRHLTRGRKMAHVIAACLYLVC  
 RTEGTPHMLLDLSDLLQVDSLRLPASFPWTGCDLGVVTRVVTGVYPRCLHASQWPVCAACPVRKFWSVG

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001242790

ORF Size: 624 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\\_001242790.2](#)

RefSeq Size: 1170 bp

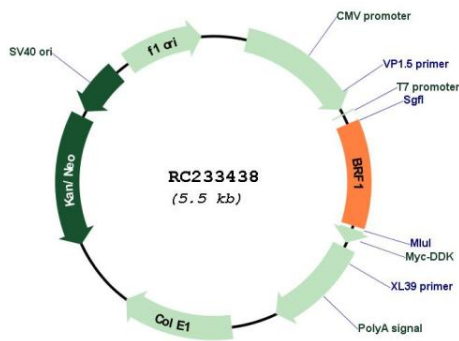
RefSeq ORF: 627 bp

Locus ID: 2972

UniProt ID: [Q92994](#)

<b>Cytogenetics:</b>	14q32.33
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	22.8 kDa
<b>Gene Summary:</b>	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 RC233438