

## Product datasheet for **RG233438**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BRF1 (NM\_001242790) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** BRF1  
**Synonyms:** BRF; BRF-1; CFDS; GTF3B; hBRF; HEL-S-76p; TAF3B2; TAF3C; TAFIII90; TF3B90; TFIIB90  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233438 representing NM\_001242790  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGGCCGCGTGTGCCGGTTGCGCGGCACGGACATCGAGCTGGACGCGCGCGCGGGACGCGG  
TGTGCACCGCCTGCGGCTCAGTGTGGAGGACAACATCATCGTGTCCGAGGTGCAGTTCGTGGAGAGCAG  
CGGCGCGGCTCCTCGGCCGTTGGCCAGTTCGTGTCCCTGGACGGTGTGGCAAACCCGACTCTGGGT  
GGCGGCTCCACGTGAATCTGGGAAGGAGTCGAGAGCGCAGACCCTGCAGAATGGGAGGCCACATCC  
ACCACCTGGGAACAGCTGCAGCTGAACCAGCACTGCCTGGACACCGCCTCAACTTCTCAAGATGGC  
CGTGAGCAGGCACCTGACCCGCGCCGGAAGATGGCCACGTGATTGCTGCCTGCCTACTCTGGTCTGC  
CGTACGGAGGGCAGCCGCACATGCTCCTGGACCTCAGCGACCTGCTCCAGGTAGACAGCCTCCGTCCTG  
CATCTTTCCACCTGGGTTGTGACCTGGGGTTGTGACCAGGGTTGTGACCGGGTGTACCCAGGTG  
CCTCCACGCATCTCAGTGCCGCTGTGCTGCCTGCCAGTCAGGAAGTTTGGTCTGTAGGA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG233438 representing NM\_001242790  
Red=Cloning site Green=Tags(s)

MTGRVCRGCGGTDIELDAARGDAVCTACGSVLEDNIIVSEVQFVSSGGSSAVGQFVSLDGAGKPTLGG  
GGFHVNLGKESRAQTLQNGRRHIHHLGNQLQNLQHCLDTAFNFFKMAVSRHLTRGRKMAHVIAACLYLVC  
RTEGTPHMLLDLSDLLQVDSLRPASFPWTGCDLGVVTRVVTGVYPRCLHASQWPVCAACPVRKFWSVG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



[View online »](#)

**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

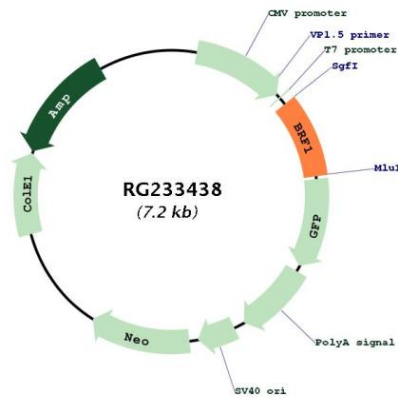
**UniProt ID:** [Q92994](#)

**Cytogenetics:** 14q32.33

**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]

**Product images:**



Circular map for RG233438