

Product datasheet for **RC213148**

BRF1 (NM_001519) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRF1 (NM_001519) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRF1
Synonyms:	BRF; BRF-1; CFDS; GTF3B; hBRF; HEL-S-76p; TAF3B2; TAF3C; TAFIII90; TF3B90; TFIIIB90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC213148 representing NM_001519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGGCCCGTGTGCCGCGTTGCGCGGCACGGACATCGAGCTGGACGCGCGCGCGGGACGCGG
 TGTGCACCGCCTGCGGCTCAGTGTGGAGGACAACATCATCGTGTCCGAGGTGCAGTTCTGGAGAGCAG
 CGGCGCGGCTCCTCGGCGTGGCCAGTTCTGTGCCCTGGACGGTGTGGCAAAACCCGACTCTGGT
 GGCGGTTCCACGTGAATCTGGGAAGGAGTCGAGAGCGCAGACCCTGCAGAATGGGAGGCGCCACATCC
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 C

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213148 representing NM_001519
Red=Cloning site Green=Tags(s)

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MTGRVCRGCGGTDIELDAARGDAVCTACGSVLEDNIIVSEVQFVESSGGGSSAVGQFVSLDGAGKPTTLG
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RTEGTPHMLLDLSDLLQVNVYVLGKTFLLLAELRCINAPADPCLYIPRFAHLLFGEKNHEVSMTALRL
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SGPVSYHADEEADEEEDDEEDGEPVLSALQMMGSNDYGCDGEDDDGY
    
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TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6475_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001519

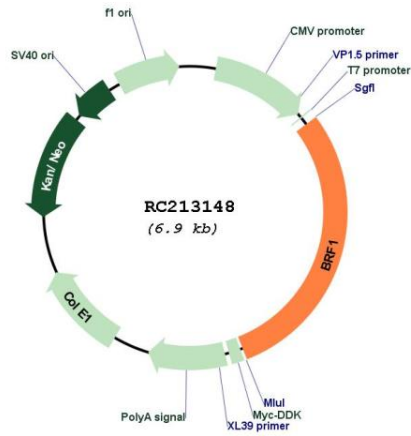
ORF Size: 2031 bp

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](#)

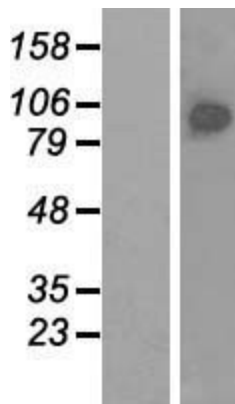
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001519.4
RefSeq Size:	3660 bp
RefSeq ORF:	2034 bp
Locus ID:	2972
UniProt ID:	Q92994
Cytogenetics:	14q32.33
Domains:	transcript_fac2, CYCLIN
Protein Families:	Transcription Factors
MW:	73.7 kDa
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]

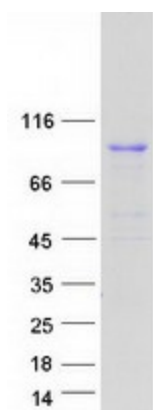
Product images:



Circular map for RC213148



Western blot validation of overexpression lysate (Cat# [LY419889]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213148 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BRF1 protein (Cat# [TP313148]). The protein was produced from HEK293T cells transfected with BRF1 cDNA clone (Cat# RC213148) using MegaTran 2.0 (Cat# [TT210002]).