

Product datasheet for **RN214280**

Brf2 (NM_001024773) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brf2 (NM_001024773) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Brf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214280 representing NM_001024773 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGAACGGAAGCCGCTGCCAGACTGCGGCTCCTCTGAGCTGGTGAAGATTTCGATTATTCGAGAG
GCCAGCTGGTGTGCTCCGACTGCGGCTGCGTGGTCACCGAAGGGGTCTTACTACTACCTTCAGCGACGA
GGGCAACCTCAGAGAAGTGACGTATTCTGAAGCACAGGGGAAACGAACAAGTTAGCCGACGCCAGCAA
CGAGATCTCCGTCGAGTAAGAGACCTGTGTGCAATTCTGAAGTTGCCACTAACGTTTCGAGGAAACCGCAG
TCTCCTACTACCAAAAGGCGTATCAGCTGTCTGGCATCCGCGCTGCTAGGCTGCAGAAGAAGGAAGTGTT
AGTCGGATGCTGTGTTTTAATCACCTGTGCGCAACATAAAGTGGCCCTCACCATGGGAGCCATCTGCACT
CTGTTGTATGCAGATCTGGATGTGTTTTCCAGCACCTACATGCAGATAGTGAAGCTTCTGGGCTGGACG
TGCCGTCCCTGTGCCTGGCAGACTTGGTCAAGTCTTACTGCAGCAGCTTCAAAGTGTTCAGCATCCCC
ATCCATGCCAGCCAAATACGTGGAGGACAAAGACAAGATGCTGTCTCGAACCTTGTGTTGGTGGAGCTG
GCAAATGAGACGTGGCTAGTGACTGGACGGCATCCCCGCGATCATCACTGCAGCCACCTTCTGGCAT
GGCAGTCTCTGCGGCCTCAGACCGCTGACCTGCTCTTGGCCGTTTTGTAAATTGGCAAATGTGGA
CCTGCCCTACCCAGCTGCCTCCGCTGCAGGAGCTCCTGGCCGTGCTCCTTCAGATGGCCAGCCAGCTG
GCCTGGCTACAAGTGCTAAGACTTGATAAGCGGTGGTGGTGAACACATTGGTGACCTTCTCCAGCACC
GCCATATGCTGGTCCGAATGGCTTTTCAGGATGGAACAGCAGAAGTGGAGACCAAGCAGCAGCAGCCGCA
GGGACGAGGACAGCAGGAAGAGGTGGGGACAGTACCTTCGATTGGCCCAAGAGGAAACGTCCTCCGCCAGT
CCTGCCCTCCTCTCCACCCCTGCATGTTGAAGCCCCCAAGCGGACCCATACCATGCCCCCTGATTCTG
TAGTGACTGGAGATGAGGACATTTCTGATAGTGAGATTGAGCAATATTTGCGTACCCCTCAGGAAGTTAG
AGACTTTGAGAGAGCCCAAGCTGCTAGCCGGGACGCCATGAGTGTCCCTAACCCGCCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001024773
Insert Size:	1251 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:	<u>NM_001024773.1, NP_001019944.1</u>
RefSeq Size:	1869 bp
RefSeq ORF:	1251 bp
Locus ID:	306542
UniProt ID:	<u>Q4V8D6</u>
Cytogenetics:	16q12.3
Gene Summary:	General activator of RNA polymerase III transcription. Factor exclusively required for RNA polymerase III transcription of genes with promoter elements upstream of the initiation sites. Contributes to the regulation of gene expression; functions as activator in the absence of oxidative stress. Down-regulates expression of target genes in response to oxidative stress. Overexpression protects cells against apoptosis in response to oxidative stress. [UniProtKB/Swiss-Prot Function]