

Product datasheet for **RG200106**

Bif (SH3GLB1) (NM_016009) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bif (SH3GLB1) (NM_016009) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bif
Synonyms:	Bif-1; CGI-61; dj612B15.2; PPP1R70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200106 representing NM_016009 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATATCATGGACTTCAACGTGAAGAAGCTGGCGGCCGACGCAGGCACCTTCTCAGTCGCGCCGTGC
AGTTCACAGAAGAAAAGCTTGGCCAGGCTGAGAAGACAGAATTGGATGCTCACTTAGAGAACCTCCTTAG
CAAAGCTGAATGTACAAAATATGGACAGAAAAAATAATGAAACAACTGAAGTGTATTGCAGCCAAAT
CCAAATGCCAGGATAGAAGAATTTGTTTATGAGAACTGGATAGAAAAGCTCCAAGTCGTATAAACAACC
CAGAACTTTGGACAATATATGATTGATGCAGGGACTGAGTTTGGCCCAGGAACAGCTTATGGTAATGC
CCTTATTAATGTGGAGAAACCCAAAAAGAATTGGAACAGCAGACAGAGAACTGATTCAAACGTCAGCC
TTAAATTTTCTTACTCCTTTAAGAACTTTATAGAAGGAGATTACAAAACAATTGCTAAAGAAAAGGAAAC
TATTGCAAAAATAAGAGACTGGATTTGGATGCTGCAAAAACGAGACTAAAAAGGCAAAAGCTGCAGAAAAC
TAGAAATTCATCTGAACAGGAATTAAGAATAACTCAAAGTGAATTTGATCGTCAAGCAGAGATTACCAGA
CTTCTGCTAGAGGGAATCAGCAGTACACATGCCATCACCTTCGCTGTCTGAATGACTTTGTAGAAGCCC
AGATGACTTACTATGCACAGTGTACCAGTATATGTTGGACCTCCAGAAACAACCTGGGAAGTTTTCCATC
CAATTATCTTAGTAACAACAATCAGACTTCTGTGACACCTGTACCATCAGTTTTACCAAATGCGGATTGGT
TCTTCTGCCATGGCTTCAACAAGTGGCCTAGTAATCACCTCTCCTCCAACCTCAGTGAACCTTAAGGAGT
GTAGTGGCAGCAGAAAGGCCAGGTTCTCTATGATTATGATGCAGCAAACAGTACTGAATATCACTTCT
GGCAGATGAGGTGATCACTGTGTTCAAGTGTGTTGGAATGGATTCAACTGGCTAATGGGGAAAGGGGA
AACCAAGGGCAAGGTGCCAATTACCTACTTAGAACTGCTCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG200106 representing NM_016009
 Red=Cloning site Green=Tags(s)

MNIMDFNVKLLAADAGTFLSRAVQFTEEKLGQAEKTELEDAHLENLLSKAECTKIWTEKIMKQTEVLLQPN
 PNARIEEFVYEKLDKAPSRINPELLGQYIMIDAGTEFGPGTAYGNALIKCGETQKRIGTADRELIQTSA
 LNFLTPLRNFIIEGDYKTIKERKLLQNKRLDLDAKTRLLKAKAAETRNSSEQELRITQSEFDRQAEITR
 LLLLEGISSTHAHLRCLNDFVEAQMTYYAQCYQYMLDLQKQLGSFSPNYLSNNTQTSVTPVPSVLPNAIG
 SSAMASTSGLVITSPNSDLKECSGSRKARVLYDYDAANSTELSLLADEVITVFSVVGMDSDWLMGERG
 NQKGKVPITYLELLN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016009

ORF Size: 1095 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_016009.5](#)

RefSeq Size: 6373 bp

RefSeq ORF: 1098 bp

Locus ID: 51100

UniProt ID: [Q9Y371](#)

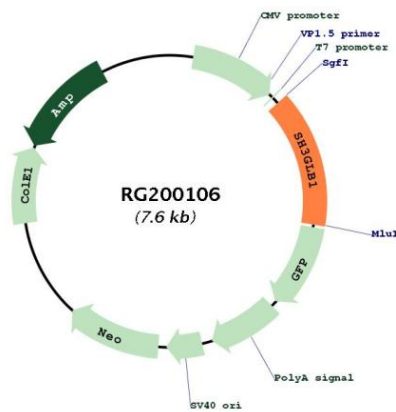
Cytogenetics: 1p22.3

Domains: SH3, BAR

Protein Pathways: Endocytosis

Gene Summary: This gene encodes a SRC homology 3 domain-containing protein. The encoded protein interacts with the proapoptotic member of the Bcl-2 family, Bcl-2-associated X protein (Bax) and may be involved in regulating apoptotic signaling pathways. This protein may also be involved in maintaining mitochondrial morphology. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG200106