

Product datasheet for **RG232327**

Bif (SH3GLB1) (NM_001206653) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bif (SH3GLB1) (NM_001206653) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SH3GLB1
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: >RG232327 representing NM_001206653
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGATGCAGGGACTGAGTTTGGCCAGGAACAGCTTATGGTAATGCCCTTATTAATGTGGAGAAA
CCCAAAAAGAATTGGAACAGCAGACAGAGAAGCTGATTCAAACGTCAGCCTTAAATTTTCTACTCCTTT
AAGAACTTTATAGAAGGAGATTACAAAACAATTGCTAAAGAAAGGAAACTATTGCAAAATAAGAGACTG
GATTTGGATGCTGCAAAAACGAGACTAAAAAGGCAAAAGCTGCAGAACTAGAAATTCATCTGAACAGG
AATTAAGAATAACTCAAAGTGAATTTGATCGTCAAGCAGAGATTACCAGACTTCTGCTAGAGGGAATCAG
CAGTACACATGCCATCACCTTCGCTGTCTGAATGACTTTGTAGAAGCCAGATGACTTACTATGCACAG
TGTTACCAGTATATGTTGGACCTCCAGAAACAAGTGGGAAGTTTTCCATCCAATTATCTTAGTAACAACA
ATCAGACTTCTGTGACACCTGTACCATCAGTTTTACCAAATGCGATTGGTTCTTCTGCCATGGCTTCAAC
AAGTGGCCTAGTAATCACCTCTCCTTCCAACCTCAGTGACCTTAAGGAGTGTAGTGGCAGCAGAAAGGCC
AGGTTCTCTATGATTATGATGCAGCAAACAGTACTGAATTATCACTTCTGGCAGATGAGGTGATCACTG
TGTTCACTGTTGTTGGAATGGATTTCAGACTGGCTAATGGGGAAAGGGGAAACCAGAAGGGCAAGGTGCC
AATTACCTACTTAGAAGTCTCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG232327 representing NM_001206653
Red=Cloning site Green=Tags(s)

MIDAGTEFGPGTAYGNALIKCGETQKRIGTADRELIQTSALNFLTPLRNFIEGDYKTIAKERKLLQNKRL
 DLDAAKTRLKKAKAAETRNSSEQLRITQSEFDRQAEITRLLLEGISSTHAHHLRCLNDFVEAQMTYYAQ
 CYQYMLDLQQLGSFSPNYLSNNNQTSTVPVPSVLPNAIGSSAMASTSGLVITSPSNLSDLKECSGRKA
 RVLVDYDAANSTELSLLADEVITVFSVVGMDSDWLMGERGNQKGVPIITYLELLN

TRTRPLE - GFP Tag - V

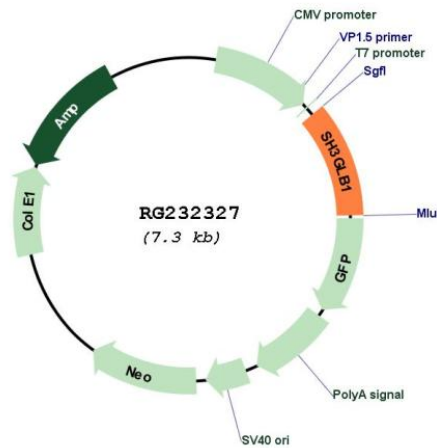
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001206653

ORF Size: 795 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.
RefSeq:	NM_001206653.1 , NP_001193582.1
RefSeq Size:	6240 bp
RefSeq ORF:	798 bp
Locus ID:	51100
UniProt ID:	Q9Y371
Cytogenetics:	1p22.3
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]