

## Product datasheet for **MG207597**

### **Bpifb1 (NM\_153418) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bpifb1 (NM_153418) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bpifb1
Synonyms:	Lplunc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207597 representing NM\_153418  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGGCCCGTGGATTATCACCCCTCTGTGGTTTGTGGGAGCCACACTGGTCCAAGCTAACGTCT  
 ATCCCCCTGCAGTGTCAACCTTGGCCCAAGAGTCATCCAGAAACACCTGACCCAGGCACCTGAAGGACCA  
 TGATGCCACTGCCATCCTCCAGGAGTTGCCACTGCTCAGAGCCATGCAAGATAAGTCTGGCAGTATCCCC  
 AACTGGACAGCTTCGTGCACACCGTTCTGAGATACATCATATGGATGAAGGTCACCTCTGCTAACATCC  
 TCCAGCTGGATGTGCAGCCTTCACTTATGACCAGGAGCTGGTGGTCAAGATCCCCCTGGACATGGTGGC  
 TGGACTAAACACACCACTGATCAAGACCATAGTGGAGTTCAAATGAGCACCAGGTCGAGCCCTCATC  
 CGGGTGGAGAGGACAAGAGCGGCCCGCCACCTGAATCTCAGCGACTGCTCCAGCAATGAGAGCACCC  
 TCGCCTCAGCCTGCTTACAAGCTCTCCTTCGTGGTCAACTCCTGGCAAAGAATGTTATGAATCTCCT  
 GGTGCCAGCCCTGCCCAAATAGTGAAAAACCACTGTGCCCTGTGATCCAGCAGGCCTTTGATGACATG  
 TACGAAGACTTCTGAGACTGACAACAGCACCCATTGCCCTCAGTCTGGAGCCCTGGAGTTGGCCTTC  
 TGCTCTCTGCTATCCAGGACAGTAATATCCTGTTGAACCTGAAGGCCAAGCTGCTGGACTCACAGGCGAG  
 GGTAACCAACTGGTTCAACAACCTCTGCGACTTCTCTGATGGAGACCACCCAGACAGGGCCCCCTCAGC  
 CTGACCGTGAGGCAGGACCTGGTGAATGCTATTGTGACCACCTGGTCCCCAAGGAGGAGCTTGTAAATCC  
 TGCTCAGATTCGTGATTCCTGATGTGGCCCGCCAGTTACAGATGGACATCAAGGAAATCAATGCAGAGGC  
 AGCCAACAAGCTGGGGCCACCCAGATGTTGAAGATCTCACCCACAGCACCCCCACATTGTGTGAAC  
 GAGGGCAGTGCCAGGGCAGCCAAAGTGTATGCTGGAAGTGTCCCTACCAACTGATGTCCGGCCCT  
 TCTTCTCTCGGCATTGAGCCAGTTATGAAGCTCAGTCTTCCACAGAAGACAACCGGCTTATGCTCAA  
 CTCAATAACGTCAGTATTGAGCGCATCAAGCTGATGATCTCAGATATCAAATATTCGATCCTGAAGTC  
 CTGAAGGACACCCTGACCAAGATCCTTGAATACACACTGCTGCCAATGAGAATGGCAAACCTGAGAACTG  
 GAGTCCCCATGTCAATGTCCAAGCCTTGGGATACGAGAAAGCCATGTGGTCTGTGAGCAAGGGTCCCT  
 CAAGCTCACTCCAGCCTCCTCC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207597 representing NM\_153418  
 Red=Cloning site Green=Tags(s)

MAGPWIIITLLCGLLGATLVQANVYPPAVLNLGPEVIQKHLTQALKDHDATAILQELPLLRAMQDKSGSIP  
 ILDSFVHTVLRYYIWMKVTSANILQLDVQPSTYDQELVVRIPLDVMVAGLNTPLIKTIVEFQMSTEVRLI  
 RVERSKSGPAHLNLSDCSSNESTLRLSLLHKL SFVVNSLAKNVMNLLVPALPQIVKNHLCPVIQQAFDDM  
 YEDFLRLTTAPIALSPGALEFGLLSPAIQDSNILLNLKAKLLDSQARVTNWFNNSATSLMETTPDRAPFS  
 LTVRQDLVNAIVTTLVPKEELVILLRFVIPDVARQLQMDIKEINAEAAANKLGPTQMLKIFTHSTPHIVLN  
 EGSARAAQSVMLEVFPTNTDVRPFFSLGIEASYEAQFFTEDNRLMLNFNNVSIERIKLMISDIKLFDPVEV  
 LKDLTKILEYLLPNENGLRGTGVPMSMSKALGYEKAMWSVSKGALKLTPASS

**TRTRPLE** – GFP Tag – V

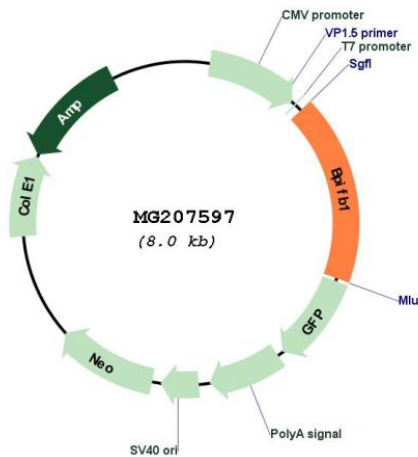
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_153418

**ORF Size:** 1425 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\\_153418.2](#), [NP\\_700467.2](#)

**RefSeq Size:** 1653 bp

**RefSeq ORF:** 1425 bp

**Locus ID:** 228801

**UniProt ID:** [Q61114](#)

**Cytogenetics:** 2 H1

**Gene Summary:** May play a role in innate immunity in mouth, nose and lungs. Binds bacterial lipopolysaccharide (LPS) and modulates the cellular responses to LPS. May be involved in formation of the left-right axis in the node of the developing embryo.[UniProtKB/Swiss-Prot Function]