

Product datasheet for **MC227875**

Bpifb1 (NM_153418) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bpifb1 (NM_153418) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bpifb1
Synonyms:	Lplunc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227875 representing NM_153418
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGCCCGTGGATTATCACCCCTCTGTGGTTTGTGGGAGCCACACTGGTCCAAGCTAACGTCT
 ATCCCCCTGCAGTGCTCAACCTTGGCCCAAGTCCAGAAACACCTGACCCAGGCACTGAAGGACCA
 TGATGCCACTGCCATCCTCCAGGAGTTGCCACTGCTCAGAGCCATGCAAGATAAGTCTGGCAGTATCCCC
 AACTGGACAGCTTCGTGCACACCGTTCTGAGATACATCATATGGATGAAGGTCACCTCTGCTAACATCC
 TCCAGCTGGATGTGCAGCCTTCACTTATGACCAGGAGCTGGTGGTCAAGTCCCTGGACATGGTGGC
 TGGACTAAACACACCACTGATCAAGACCATAGTGGAGTTCAAATGAGCACCAGGTCGAAGCCCTCATC
 CGGGTGGAGAGGACAAGAGCGGCCCGCCACCTGAATCTCAGCGACTGCTCCAGCAATGAGAGCACCC
 TGCCTCAGCCTGCTTACAAGCTCTCCTTCGTGGTCAACTCCTGGCAAAGAATGTTATGAATCTCCT
 GGTGCCAGCCCTGCCCAATAGTAAAAACCACCTGTGCCCTGTGATCCAGCAGGCCTTTGATGACATG
 TACGAAGACTTCTGAGACTGACAACAGCACCCATTGCCCTCAGTCTGGAGCCCTGGAGTTTGGCCTTC
 TGCTCTCTGCTATCCAGGACAGTAATATCCTGTTGAACCTGAAGGCCAAGCTGCTGGACTCACAGGCGAG
 GGTAACCAACTGGTTCAACAACCTCTGCGACTTCTCTGATGGAGACCACCCAGACAGGGCCCTTCAGC
 CTGACCGTGAGGCAGGACCTGGTGAATGCCATTGTGACCACCTGGTCCCAAGGAGGAGCTTGTAAATCC
 TGCTCAGATTCGTGATTCCTGATGTGGCCCGCCAGTTACAGATGGACATCAAGGAAATCAATGCAGAGGC
 AGCCAACAAGCTGGGGCCACCCAGATGTTGAAGATCTTACCCACAGCACCCCCACATTGTGTGAAC
 GAGGGCAGTGCCAGGGCAGCCAAAGTGTGCTGCTGGAAGTGTCCCTACCAACTGATGTCCGGCCCT
 TCTTCTCTCGGCATTGAGGCCAGTTATGAAGCTCAGTCTTTCACAGAAGACAACCGGCTTATGCTCAA
 CTTCAATAACGTCAGTATTGAGCGCATCAAGCTGATGATCTCAGATATCAAATATTCGATCCTGAAGTC
 CTGAAGGACACCCGTACCAAGATCCTTGAATACACACTGCTGCCAATGAGAATGGCAAAGTGAAGTGC
 GAGTCCCATGTCAATGTCCAAGCCTTGGGATACGAGAAAGCCATGTGGTCTGTGAGCAAGGGTCCCT
 CAAGCTCACTCCAGCCTCCTCTAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_153418
- Insert Size:** 1425 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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]
Transcript Variant: This variant (2) has an alternate 5' exon, as compared to variant 1. Both variants 1 and 2 encode the same protein.