

## Product datasheet for **MC204643**

### **Bpifb3 (NM\_194357) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bpifb3 (NM_194357) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bpifb3
Synonyms:	Lplunc3; Rya3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC048084  
 CCCAGCCCCTGGCTTTCCTTGCAGAAGAAAGGCTTAATTCAGGCCCTCGGGGAAAACCGCAATTTGCTCC  
 TGACTTGACATACTGACGGGTTCTGGCGGCTGTGCCCCCTTTGTCTCCCCAAGCTGCTGTGTGCAGCTG  
 ATGATGCTGGGTGTGATACCTGCTTCTGCTCTGGGGCTGGCCACTCCATGCCTGGGGCTGCTTGAGA  
 CAGTGGGCACGCTTGCTCGGATTGACAAGGATGAAGTGGGCAAAGCCATCCAGAAGTCCCTAGTTGGGGG  
 CCCTATTCTGAAAACGTGCTGGGGACTGTGACATCAGTGAACCAGGGCCTCTGGGTGCAGGAGGGCTG  
 CTCGGAGGTGGTGGCCTGCTGAGTTACGGTGGCATCTTTAGTCTTGTGGAAGAAGTCTCTGGGTGAAGA  
 TAGAGGAACTAACTTTGCCAAAAGTGCACTCAAGCTGCTGCCGGGGTGGGGTGCAGCTGAACCTGCA  
 CACCAAGGTTAGCTGCATGGCTCCGGTCCCCTGGTGGGCTCCTGCAGCTGGCCGAGAGGTGAACGTG  
 TCTTCGAAAGTGGCACTGGGCATGAGTCTCGGGGACACCCATCCTTGTCTTAAGCGCTGCAGCACGC  
 TCCTGGGTACATCAGTCTGATGTGAGGGCTGCTGCCACGCCAATCTTTGGGCTCGTAGAACAGACACT  
 GTGCAAGGTGCTGCCTGGACTGCTGTGCCCTGTGGTAGACAGTGTGCTGAGTGTGGTGAATGAGCTCTG  
 GGAGCTACGCTGAGCCTGGTCCCCTTGGGCTCTGGGGTCTGTGGAGTCACTCTGGCTACACTCCCC  
 TAATCTCCAACCAAGTACATTGAGCTGGATATAAATCCCATCGTGAAGAGCATAGCTGGAGATGTCATTGA  
 TTTCCCCAAGCCACGCATCCCAGTCAAGGTGCCCCCAAAGAGGACCACACTCCAAGTACTGTCCCA  
 CTCTATCTCTTACGACCGTGTGGGGCTCTGCAAAACCAACGGTGCCCTTGACCTGGACATCACCCCTG  
 AGATGGTTCCCAGGAATGTCCTCTGACAACTACTGACCTGGCAGCTTTGGCTCCTGAGGCCCTGGGGAA  
 ACTGCCCCCTGCTCAGCACCTCCTGCTCTCGTGCAGGGTGAACAAATCGCCCATGGTCTGCTGCAGAAC  
 AAGAAGGCCACAGTCTCCATCCCAGTCAACATCCATGTGCTGTCTTGTCCCTCAAGGAACTCCTGTAG  
 CCCTTTTCCAGTTGAATGGGGTTATGACTCTAAATGCCACCTGGCTCCATCCTTACCAAGCTGCACAT  
 ATCTCTGTCCCTGGAACGGCTAAGTGTCCAGCTGGCCTCCTCCTTTCCCCAACCTTTTGTGATCCCCTG  
 CTGGAAGAATGGCTCAGTGTGTTCCGGGCTGCCTACATGCAGAGGCTCAACGAGCACCTGGAGGTTG  
 GAATCCCCTGCCTAAGATTCTCAATGCACTTTGCCAATTCAGTGGTGCATATCATTGAGAATGCAGT  
 TGTGCTCACAGTGGCTCCGTGAGGCGGTATGGCTGCTGCTCCTCCTGTTCACTACAGAGTCCCTATCTGTC  
 TGCCCACTCTGCCTCAGTTTCCCTCCCAGTCTTAAGCCTGCATTGGTGCAGTATAAGTGCCCTTGCCC  
 ACCCGGGCCACCTTGCCCTCTGTTCTGTGATCATGCCTGTTTTGGGGTGGGGATGGCTGGATAGCCAC  
 TGATCTGCTTCAGAAAGCACATAGCACCTTGGTTCAATCCCAGCTTTAATAAACTGATCCTTGGTCTTGT  
 GAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_194357

**Insert Size:** 1422 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:** [BC048084](#), [AAH48084](#)

RefSeq Size: 1842 bp

RefSeq ORF: 1422 bp

Locus ID: 378700

UniProt ID: [Q80ZU7](#)

Cytogenetics: 2 H1

**Gene Summary:** May have the capacity to recognize and bind specific classes of odorants. May act as a carrier molecule, transporting odorants across the mucus layer to access receptor sites. May serve as a primary defense mechanism by recognizing and removing potentially harmful odorants or pathogenic microorganisms from the mucosa or clearing excess odorant from mucus to enable new odorant stimuli to be received (By similarity).[UniProtKB/Swiss-Prot Function]