

## Product datasheet for **RN203525**

### **Bpifb3 (NM\_001109208) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bpifb3 (NM_001109208) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bpifb3
Synonyms:	Lplunc3; Rya3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >RN203525 representing NM\_001109208  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGCCGGGTGTGTACGCCCTGCTTCTGCTCTGGGCCTGGCCACGCCGTGTCTGGGGCTGCTTGAGA  
 CAGTGGGCACGCTTGCTCGGATTGACAAAGATGAGCTGGGCAAAGCCATCCAGAACTCCCTAGTTGGGGG  
 TCCATTCTGCAAAATGTGCTGGGGACCGTGACATCAGTGAACCAGGGTCTCCTGGGCGCAGGAGGGCTG  
 CTCGGAGGTGGTGGACTGCTGAGCTACGGTGGCCTCTTTAGTCTTGTGGAGAACTCTCTGGGTTGAAGA  
 TAGAGGAACTAACCTTGCCACCGTGTCAATCAAGCTGCTGCCGGGGTTGGGGTGCAGCTGAGCCTGCA  
 CACCAAGCTGGCCGAGAGGTGAATGTGTCTCGAAAGTGGCACTGGGCATGAGCCCTCGGGGGACACCC  
 ATCCTTATCCTTAAGCGCTGCAACACGCTCTTGGGCCACATCAGCCTGACGTGAGGGCTGCTGCCACAC  
 CAATCTTTGGGCTTGTGGAACAGACACTGTGCAAGGTGCTGCCTGGACTGCTGTGCCCTGTGGTAGACAG  
 TGTGCTGAGCGTGGTGAATGAGCTCTTAGGAGCTACGCTGAGCCTGGTACCCCTTGGGCCTTGGGGTCT  
 GTGGAGTCACTCTGGCCACACTGCCCCTAATCTCCAACCAAGTACATTGAGTTGGATATAAATCCCATCG  
 TGAAGAGCATAGCTGGTGTGATGATTTCCTCAAGCCACGCCCTCCAGTCAAGATGCCCCCAAAGA  
 GGACCACACTCCAAGTACTGTCCCCTCTACCTCTTCAACACTGTGTTGGGCTCTGCAAACCAAT  
 GGTGCCCTTGACCTGGACATCACCCCTGAGATGGTTCAGAAATATCCCGCTGACAACACTGACTGCTGG  
 CAGCTTTGGCCCTGAGGCCCTGGGGAAGCTGCCCCCTGGTCAGCACCTCCTGCTCTCGTGGCGGTAAT  
 GAAGTCAACCATGATCCTGCTGCAGAACAAAGGTACAGTCTCTATCCAGTACCATCCACGTGCTG  
 TCTTCTGTCCCTCAAGGAACTCCTGTAGCTCTTTCCAGATGAATGGAGTCATGACTCTAAATGCCCACC  
 TGGTTCCATCCACCACCAAGCTGCACATATCTGTCTTGGAACGGTTGACTGTCCAGTGGCCCTCCTC  
 CTTTTCCAACCTTTTGACGCATCCCGTCTAGAAGAATGGCTCAGTGATGTGGTCCGGGGCTGCCTACATG  
 CAGAAGCTCAATGAACACCTGGAGGTTGGAATACCTCTGCCTAAAATCCTCAACGTCAACTTTGCCAATT  
 CAGTAGTGGATGTCATTGAGAATGCGGTCGTGCTCACAGTGGCTCCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001109208
- Insert Size:** 1380 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:	<u>NM_001109208.1, NP_001102678.1</u>
RefSeq Size:	1771 bp
RefSeq ORF:	1380 bp
Locus ID:	499924
Cytogenetics:	3q41
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.[UniProtKB/Swiss-Prot Function]