

Product datasheet for **MC219778**

Bpifb4 (NM_001034875) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bpifb4 (NM_001034875) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bpifb4
Synonyms:	Gm1006; Lplunc4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NM_001034875.3
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTGGACTGCGTGGTGTGTGGCTGCTCTGTCACTGAGCAGCTGTGTGGTATCCGCCAAGACACAACCA
 CAGTCCTCAGGGTTACAAAAGATGTGCTGGGCAATGCCATCTCAGGCACAATTCAGAAGAGTGACGCCTT
 CCGCTCCGCCCTGAGGGAGGTGCCCGTGGTGTGGTGTCCCGTACAACGACTTCCATGTCCGAGAG
 CCTCCCCCAAATACACCAATGGCAGACAGCTTGGTGGCAATTACAAATATGGTCACATTAAGGCGAACG
 ACAATAGAGCTCAGCTGGGGGGCAAGTACCCTATGGGGAGATCCTGGACTCCGATGGGAGCCTCAGGGA
 CCTACGGCATGAAGACTACCGTCTCCAGACAGTGCCTACCACCGCGCTCTGGGCGGTACAGATCCGCC
 GCAGACTCATCCTCGGTGGCAGGCTCTACCGCGCGAAGTGGGCTGGAGAGATCCCAGCTGGTGTGG
 CCACTGGGGCCCTGGGCCCGGAGGTCTGCTGGGCACAGGGGGCATGCTGGCAAATGAAGGCATTCTGGC
 AGGCCAAGGGGGTGTGGTGGTGGAGTGGTCTTCTGGAGATGGAGGACTTCTGGAGGAGGAGGTGTG
 CTGGTGTGCTGGGTGAAGGAGGCATCCTAAGCACCGTACAAGGCATCACTGGGTGCGCATCGTGGAAC
 TTACCCTTCCCCGGGTGTCCGTGAGACTCCTGCCCGGTGTGGGTGTCTACCTGAGCTTGTACACCCGTGT
 GGCCATCAACGGAAGGAGCCTCATCGGCTTCTGGATATTGCACTGGAGGTAAACATCACGGCAAAGTT
 CGGCTGACCATGGACCGCACAGGCTACCACGGTTGGTCACTGAGCGCTGTGACACCCTCCTGGGAGGTA
 TCAAAGTCAAGCTGCTTCGAGGGCTTCTCCCAACCTGGTGGACAACCTAGTGAACCGAGTGTGGCCAA
 TGTAATCCCTGACCTGCTCTGCCCATTTGGATGTGGTATTGGGTCTTGTCAATGACAGCTGGGTCTC
 GTGGACTCTTTGGTGCCTCTGGGAATACTTGGGAGTGTGCAATACACTTCTCCAGCCTTCCACTGGTGA
 CTGGGGAATTCCTGAGTTGGACCTTAATACTCTAGTTGGGAGGCAGGAGGTGACCTCATTGACTACCC
 CCTGGGGCGGCCAGCTATATTGCCCAGGCCACAGATGCCAGAAGTACCCCCATGGGCGACAACACCAAC
 TCCAGCTGGCCATCTCAGCCAATTTCTGAGCTCGGTGCTGACCATGCTGCAGAAGCAAGGTGCAATGG
 ACATTGACATCACTGATGGCATGTTGAAGATCTCCCTCCACTTACCCTTCCACTGCGGGCCTTGAT
 TCCCAAGGTGTTCCAGCAATACCCGGAATCCCGCCACTCACCATCAGGATCCAGGTGCCAACCCCTCCA
 ACTGTGACTGCAGAAAGACAAGGCGCTGGTGAAGGTGTTGCCACCTCTGAAGTTGTGGTCTCCAGC
 CCAACGATGTAGAGACCACTATCTGCCTCATCGATGTGGACACAGACCTTGGCTTCATTTCTGTGGA
 AGGAGATAAGCTCATGATCGACCCAAGCTGGATAAGACCAGCCTCAACCTCAGAACCTCAAACGTGGGC
 AACTTTGATGTGTTTCTTGGAAATGTTGGTTGAGAAGATCTTTGACCTAGCGTTTATGCCTGCAATGA
 ATGCTATACTGGTCTGGAGTCCCTGCCCAAATCCTCAACATTGACTTCAGCAACGCAGACATTGA
 TGTGTTGGAGGACCTTCTGGTGTGAGCACATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1508_g07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001034875

Insert Size: 1854 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: [NM_001034875.3](#), [NP_001030047.2](#)

RefSeq Size: 2115 bp

RefSeq ORF: 1854 bp

Locus ID: 381399

UniProt ID: [A2BGH0](#)

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]