

Product datasheet for **RR203525**

Bpifb3 (NM_001109208) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR203525 representing NM_001109208
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGCCGGGTGTGTACGCCCTGCTTCTGCTCTGGGCCTGGCCACGCCGTGTCTGGGGCTGCTTGAAGA
 CAGTGGGCACGCTTGCTCGGATTGACAAAGATGAGCTGGGCAAAGCCATCCAGAACTCCCTAGTTGGGGG
 TCCATTCTGCAAAATGTGCTGGGGACCGTGACATCAGTGAACCAGGGTCTCCTGGGCGCAGGAGGGCTG
 CTCGGAGGTGGTGGACTGCTGAGCTACGGTGGCCTCTTTAGTCTTGTGGAGGAACTCTCTGGGTTGAAGA
 TAGAGGAACTAACCTTGCCACCGTGTCAATCAAGCTGCTGCCGGGGTTGGGGTGCAGCTGAGCCTGCA
 CACCAAGCTGGCCGAGAGGTGAATGTGTCTCGAAAGTGGCACTGGGCATGAGCCCTCGGGGGACACCC
 ATCCTTATCCTTAAGCGCTGCAACACGCTCTTGGGCCACATCAGCCTGACGTGAGGGCTGCTGCCACAC
 CAATCTTTGGGCTTGTGGAACAGACACTGTGCAAGGTGCTGCCTGGACTGCTGTGCCCTGTGGTAGACAG
 TGTGCTGAGCGTGGTGAATGAGCTCTTAGGAGCTACGCTGAGCCTGGTACCCCTTGGGCCTTGGGGTCT
 GTGGAGTCACTCTGGCCACACTGCCCCTAATCTCCAACCAAGTACATTGAGTTGGATATAAATCCCATCG
 TGAAGAGCATAGCTGGTGTGATGTCATTGATTTCCCAAGCCACGCCCTCCAGTCAAGATGCCCCCAAGA
 GGACCACACTCCAAGTACTGTCCCCTCTACCTCTTCAACACTGTGTTTGGGCTCCTGCAAACCAAT
 GGTGCCCTTGACCTGGACATCACCCCTGAGATGGTCCAGAAATATCCCGCTGACAACACTACTGACCTGG
 CAGCTTTGGCCCTGAGGCCCTGGGAAGCTGCCCCCTGGTCAGCACCTCCTGCTCTCGTGC GGGAAT
 GAAGTACCCATGATCCTGCTGCAGAACAAAGGTACAGTCTCTATCCAGTACCATCCACGTGCTG
 TCTTCTGCCCTCAAGGAACTCCTGTAGCTCTTTCCAGATGAATGGAGTCATGACTCTAAATGCCACC
 TGGTTCATCCACCACCAAGCTGCACATATCTCTGTCTTGGAACGGTTGACTGTCCAGTGGCCTCCTC
 CTTTTCCAACCTTTTGACGCATCCCGTCTAGAAGAATGGCTCAGTGATGTGGTCCGGGCTGCCTACATG
 CAGAAGCTCAATGAACACCTGGAGGTTGGAATACCTCTGCCTAAAATCCTCAACGTCAACTTTGCCAAT
 CAGTAGTGGATGTCATTGAGAATGCGGTCGTGCTCACAGTGGCTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203525 representing NM_001109208
 Red=Cloning site Green=Tags(s)

MMPGVYALLLLWGLATPCLGELLETVGTLARIDKDELGKAIQNSLVGGPILQNVLGTVTSVNQGLLGAGGL
 LGGGGLSYGGFLFSLVEELSGLKIEELTLPTVSIKLLPGVGVQLSLHTKLAAEVNVSVALGMSPRGTP
 ILLKRCNTLLGHISLTSGLLPTPIFGLVEQTLCKVLPGLLCPVVDSVLSVNNELLGATLSLVPLGPLGS
 VEFTLATLPLISNQYIELDINPIVKSIAGDVIDFPKPRLPVKMPPKEDHTSQVTVPLYL FNTVFGLLQTN
 GALDLDITPEMVPRNIPLTTTDLAALAPEALGKLPQHL LLSLRVMKSPMILLQNKKVTYSIPVTIHVL
 SSV PQGTPVALFQMGVMTLNAHLVPSTTKLHISLSLERLTVQLASSFSQPF DARSLEEWLSDVVRAAYM
 QKLNEHLEVG ILPKILNVNFANSVVDVIENAVVLTVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001109208

ORF Size: 1377 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_001109208.1](#), [NP_001102678.1](#)

RefSeq Size: 1771 bp

RefSeq ORF: 1380 bp

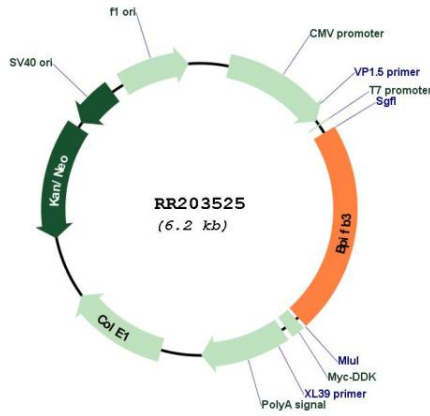
Locus ID: 499924

Cytogenetics: 3q41

MW: 48.6 kDa

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]

Product images:



Circular map for RR203525