

Product datasheet for **MR207597**

Bpifb1 (NM_001012392) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bpifb1 (NM_001012392) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bpifb1
Synonyms:	Lplunc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207597 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGCCCGTGGATTATCACCCCTCTGTGGTTTGTGGGAGCCACACTGGTCCAAGCTAACGTCT
 ATCCCCCTGCAGTGCTCAACCTTGGCCCAAGTCAATCCAGAAACACCTGACCCAGGCACCTGAAGGACCA
 TGATGCCACTGCCATCCTCCAGGAGTTGCCACTGCTCAGAGCCATGCAAGATAAGTCTGGCAGTATCCCC
 ATACTGGACAGCTTCGTGCACACCGTTCTGAGATACATCATATGGATGAAGGTCACCTCTGCTAACATCC
 TCCAGCTGGATGTGCAGCCTTCACTTATGACCAGGAGCTGGTGGTCAAGTATCCCTGGACATGGTGGC
 TGGACTAAACACACCACTGATCAAGACCATAGTGGAGTTCAAATGAGCACCAGGTCGAGCCCTCATC
 CGGGTGGAGAGGACAGAGCGGCCCGCCACCTGAATCTCAGCGACTGCTCCAGCAATGAGAGCACCC
 TCGCCTCAGCCTGCTTACAAGCTCTCCTTCGTGGTCAACTCCTGGCAAAGAATGTTATGAATCTCCT
 GGTGCCAGCCCTGCCCAAATAGTGAAAAACCACTGTGCCCTGTGATCCAGCAGGCCTTTGATGACATG
 TACGAAGACTTCTGAGACTGACAACAGCACCCATTGCCCTCAGTCTGGAGCCCTGGAGTTGGCCTTC
 TGCTCTCTGCTATCCAGGACAGTAATATCCTGTTGAACCTGAAGGCCAAGCTGCTGGACTCACAGGCGAG
 GGTAACCAACTGGTTCAACAACCTCTGCGACTTCTCTGATGGAGACCACCCAGACAGGGCCCTTCAGC
 CTGACCGTGAGGCAGGACCTGGTGAATGCTATTGTGACCACCCTGGTCCCAAGGAGGAGCTTGAATCC
 TGCTCAGATTCGTGATTCCTGATGTGGCCCGCCAGTTACAGATGGACATCAAGGAAATCAATGCAGAGGC
 AGCCAAACAAGTGGGGCCACCCAGATGTTGAAGATCTTACCCACAGCACCCCCACATTGTGCTGAAC
 GAGGGCAGTGCCAGGGCAGCCCAAAGTGTATGCTGGAAGTGTCCCTACCAACTGATGTCCGGCCCT
 TCTTCTCTCGGCATTGAGGCCAGTTATGAAGCTCAGTCTTTCACAGAAGACAACCGGCTTATGCTCAA
 CTTCAATAACGTCAGTATTGAGCGCATCAAGCTGATGATCTCAGATATCAAATATTCGATCCTGAAGT
 CTGAAGGACACCCCTGACCAAGATCCTTGAATACACACTGCTGCCAATGAGAATGGCAAACCTGAGAACTG
 GAGTCCCATGTCAATGTCCAAGCCTTGGGATACGAGAAAGCCATGTGGTCTGTGAGCAAGGGTCCCT
 CAAGCTCACTCCAGCCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207597 protein sequence
 Red=Cloning site Green=Tags(s)

MAGPWIIITLLCGLLGATLVQANVYPPAVLNLPVEVIQKHLTQALKDHDATAILQELPLLRAMQDKSGSIP
 ILDSFVHTVLRYYIWMKVTSANILQLDVQPSYDQELVVRIPLDMVAGLNTPLIKTIVEFQMSTEVRLI
 RVERSKSGPAHLNLSDCSSNESTLRLSLLHKL SFVVNSLAKNVMNLLVPALPQIVKNHLCPVIQQAFDDM
 YEDFLRLTTAPIALSPGALEFGLLSPAIQDSNILLNLKAKLLDSQARVTNWFNNSATSLMETTPDRAPFS
 LTVRQDLVNAIVTTLVPKEELVILLRFVIPDVARQLQMDIKEINAEAAANKLGPTQMLKIFTHSTPHIVLN
 EGSARAAQSYMLEVFPNTDVRPFFSLGIEASYEAQFFTEDNRLMLNFNNVSIERIKLMISDIKLFDPVEV
 LKDTLTKILEYTLNENGLRGTGVPMSMSKALGYEKAMWSVSKGALKLTPASS

TRTRPLEQ**KL**I**SEEDLA**AND**ILDYK**DDDD**KV**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001012392

ORF Size: 1425 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_001012392.1](#), [NP_001012392.1](#)

RefSeq Size: 1690 bp

RefSeq ORF: 1425 bp

Locus ID: 228801

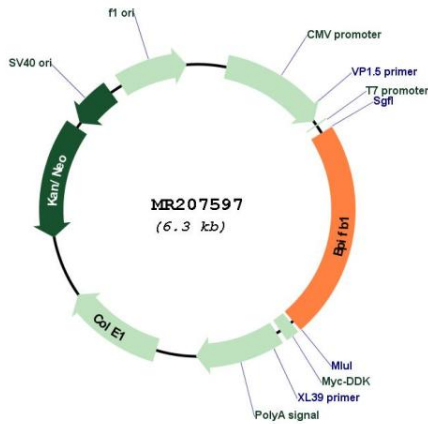
UniProt ID: [Q61114](#)

Cytogenetics: 2 H1

MW: 52.5 kDa

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]

Product images:



Circular map for MR207597