

Product datasheet for **MR230086**

Bpifb1 (NM_153418) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bpifb1 (NM_153418) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MR230086 representing NM_153418
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGCCCGTGGATTATCACCCCTCTGTGGTTTGTGGGAGCCACACTGGTCCAAGCTAACGTCT
 ATCCCCCTGCAGTGCTCAACCTTGGCCCAAGTCAATCCAGAAACACCTGACCCAGGCACCTGAAGGACCA
 TGATGCCACTGCCATCCTCCAGGAGTTGCCACTGCTCAGAGCCATGCAAGATAAGTCTGGCAGTATCCCC
 AACTGGACAGCTTCGTGCACACCGTTCTGAGATACATCATATGGATGAAGGTACCTCTGCTAACATCC
 TCCAGCTGGATGTGCAGCCTTCACTTATGACCAGGAGCTGGTGGTCAAGTCCCTGGACATGGTGGC
 TGGACTAAACACACCACTGATCAAGACCATAGTGGAGTTCAAATGAGCACCAGGTCCAAGCCCTCATC
 CGGGTGGAGAGGACAAGAGCGGCCCGCCACCTGAATCTCAGCGACTGCTCCAGCAATGAGAGCACCC
 TCGCCTCAGCCTGCTTACAAGCTCTCCTTCGTGGTCAACTCCTGGCAAAGAATGTTATGAATCTCCT
 GGTGCCAGCCCTGCCCAAATAGTGAAAAACCACTGTGCCCTGTGATCCAGCAGGCCTTTGATGACATG
 TACGAAGACTTCTGAGACTGACAACAGCACCCATTGCCCTCAGTCTGGAGCCCTGGAGTTGGCCTTC
 TGCTCTCTGCTATCCAGGACAGTAATATCCTGTTGAACCTGAAGGCCAAGCTGCTGGACTCACAGGCGAG
 GGTAACCAACTGGTTCAACAACCTCTGCGACTTCTCTGATGGAGACCACCCAGACAGGGCCCTTCAGC
 CTGACCGTGAGGCAGGACCTGGTGAATGCCATTGTGACCACCTGGTCCCAAGGAGGAGCTTGTATCC
 TGCTCAGATTCGTGATTCCTGATGTGGCCCGCCAGTTACAGATGGACATCAAGGAAATCAATGCAGAGGC
 AGCCAACAAGTGGGGCCACCCAGATGTTGAAGATCTCACCCACAGCACCCCCACATTGTGTGAAC
 GAGGGCAGTGCCAGGGCAGCCAAAGTGTCTGCTGGAAGTGTCCCTACCAACTGATGTCCGGCCCT
 TCTTCTCTCGGCATTGAGGCCAGTTATGAAGCTCAGTCTTTCACAGAAGACAACCGGCTTATGCTCAA
 CTTCAATAACGTCAGTATTGAGCGCATCAAGCTGATGATCTCAGATATCAAATATTCGATCCTGAAGTC
 CTGAAGGACACCCCTGACCAAGATCCTTGAATACACACTGCTGCCAATGAGAATGGCAAAGTGAAGTGA
 GAGTCCCATGTCAATGTCCAAGCCTTGGGATACGAGAAAGCCATGTGGTCTGTGAGCAAGGGTCCCT
 CAAGCTCACTCCAGCCTCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230086 representing NM_153418
 Red=Cloning site Green=Tags(s)

MAGPWIITLLCGLLGATLVQANVYPPAVLNLGPEVIQKHLTQALKDHDATAILQELPLLRAMQDKSGSIP
 ILDSFVHTVLRYYIWMKVTSANILQLDVQPSYDQELVVRIPLDMVAGLNTPLIKTIVEFQMSTEVQALI
 RVERSKSGPAHLNLSDCSSNESTLRLSLLHKL SFVVNSLAKNVMNLLVPALPQIVKNHLCPVIQQAFDDM
 YEDFLRLTTAPIALSPGALEFGLLSPAIQDSNILLNLKAKLLDSQARVTNWFNNSATSLMETTPDRAPFS
 LTVRQDLVNAIVTTLVPKEELVILLRFVIPDVARQLQMDIKEINAEAAANKLGPTQMLKIFTHSTPHIVLN
 EGSARAAQSVVLEVFPTNTDVRPFFSLGIEASYEAQFFTEDNRLMLNFNNVSIERIKLMISDIKLFDPVEV
 LKDTLTKILEYLLPNENGLRGTGVPMSMSKALGYEKAMWSVSKGALKLTPASS

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_153418

ORF Size: 1422 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_153418.2](#), [NP_700467.2](#)
RefSeq Size: 1653 bp

RefSeq ORF: 1425 bp

Locus ID: 228801

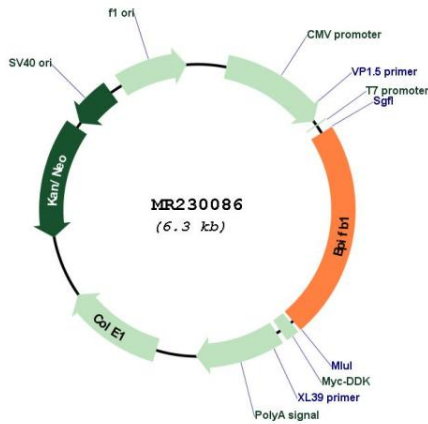
UniProt ID: [Q61114](#)

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 MR230086