

Product datasheet for **RR215555**

Bpifb1 (NM_001077680) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bpifb1 (NM_001077680) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bpifb1
Synonyms:	Lplunc1; RGD1563047
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215555 representing NM_001077680
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGATGACCAACCCATGGATCGTCAGCCTCCTGCTGGGAGCCACACTGGTCCAAGCTAACCTCTATC
 CTCTGCAAGTGTCAACCTTGGCCAGAAAGTCATCAAGAAGCACCTGACCCAGGCACTGGAGAACCACGA
 TGCCACTGCCATCCTCCAGGAGTTGCCGCTGCTCAGAGGCATGCAAGATAAGTCTGGCAGCATCCCCATA
 TTGGACAGCTTCGTGAACACTGTTCTGAGATACATCATCTGGATGAAGGTCACCTCTGCTAACATTCTCC
 AGCTGGTTGTGCAGCCTTCAACCTATGACCAGGAGCTGGTAGTCAGAATCCCCCTGGACATGGTGGCTGG
 ATTAACACGCCACTGATCAAGACCATAGTGGAGTTCAAATGAGCACCGAGGTCCAAGCCCTCATCCGG
 GTGGAGAGGAGCAAGAACGGCCCTGCCCGCTGAACCTCAGTGACTGTTCCAGCAACGAGAGCACGCTGC
 GCCTCAGCCTGCTTCACAAGCTCTCCTCGTGGTCAACTCCTGGCAAAGAAGCTTATGAATCTCCTGAT
 GCCAGCCCTGCCCAAATAGTAAAAGCCACCTGTGCCCTGTGATCCAGCAGGCCCTTGGATGACATGTAC
 GAAGACTTCTGAGGCTGACCACAGCACCCATTGCCCTCAGCCCTGGAGCCCTGGAGTTTACCTTCTGT
 CTCTGCCATCCAGGACAGTAACATCCTGTTCAACCTGAAGGCCAAGCTGCTGGACTCACAGGCAAGGGT
 AACCAACTGGTTCAACGGCTCTGCGACTCCTCTGATGGAGACCACCCAGACAGGGCCCTTTCAGCCTG
 ACTGTGAGGCAGGACCTAGTGAATGCCATTGTGACCACCTGATCCCCAGGAGGAGCTTGAATCCTGC
 TCAGATTCGTGATTCTGATGTGGCCCGCCAGTTACAGATGGACATCAAGGAGATCAATGCAGAGGCAGC
 CAACAAGTTGGGGCCACCCAGATGTTGAAGATCTTCACTCACAGCACCCCCATATTGTGCTGAATGAG
 GGCGGTGCCACGGCAGCCCAAAGTGTGACTGGAAGTGTCCCCACCAATACAGATGTCGAGCCCTTCT
 TCTCTCGGCATTGAAGCCAGTTATGAAGCTCAGTTTTTCATAGCAGAAAACCGACTTATGCTCAACTT
 CAATAACGTGATCGAGCGCATCAAGCTGATCTCGGATATCAAACCTGTTGATCCTGAAGTCTG
 AAGGACTCTGACCAAGATCCTTGAGTACACATTGCTGCCCAATGAGAATGGAAAACCTGAGGACTGGAA
 TCCCCATGTAATGCCAAAGCCTTGGGGTATGAGAAAGCCATGTGGTCTGTGAGCAAGGGTGCCCTCAA
 GCTCACTCCAGCCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215555 representing NM_001077680
 Red=Cloning site Green=Tags(s)

MKMTNPWIVSLLLGLATLVQANLYPPAVLNLGPEVIKKHLTQALENHDATAILQELPLLRGMQDKSGSIPI
 LDSFVNTVLRYYIWMKVTSANILQLVVQPSTYDQELVVRIPDMVAGLNTPLIKTIVEFQMSTEVQALIR
 VERSKNGPARLNLSDCSSNESTLRLSLLHKL SFVVNSLAKNVMNLLMPALPQIVKSHLCPVIQQAFDDMY
 EDFLRLTTAPIALSPGALFDDLSPAIQDSNILFNLKAKLLDSQARVTNWFNGSATPLMETTPDRAPFSL
 TVRQDLVNAIVTTLIPQEELVILLRFVIPDVARQLQMDIKEINAEANKLGPTQMLKIFTHSTPHIVLNE
 GGATAAQSVVLEVFPTNTDVRPFFSLGIEASYEAQFFIAENRLMLNFNNSIERIKLMSIDIKLFDPEVL
 KDTLTKILEYTLNPNENGLRGTGIPMSMPKALGYEKAMWSVSKGALKLTPASS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

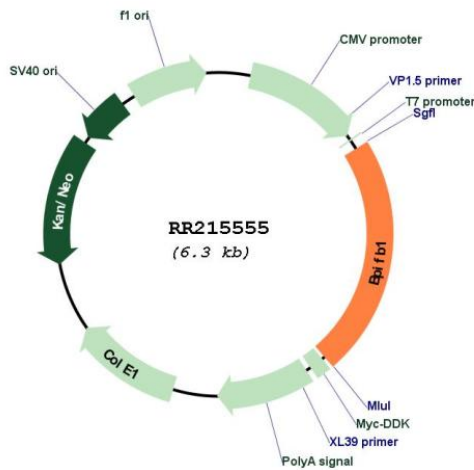
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001077680

ORF Size:

1419 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:	<ol style="list-style-type: none">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_001077680.1 , NP_001071148.2
RefSeq Size:	1639 bp
RefSeq ORF:	1422 bp
Locus ID:	499926
UniProt ID:	A0JPN3
Cytogenetics:	3q41
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 (By similarity). [UniProtKB/Swiss-Prot Function]