

Product datasheet for **MC216741**

Bpi (NM_177850) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bpi (NM_177850) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bpi
Synonyms:	9230105K17Rik; Bpifd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216741 representing NM_177850
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCTGGGCCCTGACAACGTGCGGAAATGGTCAGCCCTGTTGCTGCTGGCCATCATTGGCACAGCCC
 TGACAGCCGCCACCGACCTGGCTTCGTGGCCATGATCTCCAGAAAGGGTCTGGACTTCGCGTGCCAGCA
 GGGAGTGGTTGAGTTGCAGAAGGAGCTACAGGCTATCAGTGTTCCTGACTTCTCTGGGGTCTTTAAGATC
 AAGCACCTGGGAAAGGGTTCCTACGAATTCACAGCATGGCTGTGGATGGATTTCAATTCCTAATCCCA
 AGATCGAGATGCTGCCAGTGATGGCTCCGAGTGTTCATCAAAGATGCCAGCATCAAGATCAATGGAAA
 GTGGATGTCAAGGAAGAACTTCCCAAGGCCGGTGGCAATTTGAACTGAGCATCCAGGGCGTCTCCATC
 TCCACCGACCTGATTCTGGGTAGTGACTCCTCAGGCCACATCACCACCATCTGCTCCAATGCGACAGTC
 ACATTGACAGTGTCCATATCAAAATCTCAGGCAGCATGCTGGGGTGGCTGATCCGACTGTTCCACAGGAA
 AATTGAGACTTCCCTGAAAAACATCATTACAAAAAGATCTGCAAGATCGTGAGAGACTCTGTGCTCCTCC
 AAAGTGCAGCCTTATCTGAAGACCTTTCTGTGATAACCAGAGTGGATGATGTGACCTCGGTTGACTACA
 GTCTGCTGGCTCCCTGACAACCACGAACCAGTTCCTGGAGGGGAGCTAAAGGGGGAGTTTTTCTGGAG
 GGGACACCGAGACCCACTTCCCATTACCCGCCAGTAATGAGGTTTGTGCCAACGGTGCATACATGGTA
 TGCATGGGCATCTCTGACTACTTCTTCAACTGAGGTATTGGCTTACCAACAGTCTGGAACCTTGAAGA
 TGACCTGGGGGGCAACTGTTATCAAATAATGGCAGATTCCAGCTGAACACTGACTTCTTAGGACCTT
 CCTGCCAAGGTGGCCAAGATGTTCCCCAGCATGGGGTGCAGCTGCTCATCTCAGCGCCCGTGCCTGTG
 CAGTGAGCATAACAGCCCTCAGGCCTCTCATTCAATCCTAAGCTGGAGACCCAGGCCTTTGTGGTCTCC
 CCAACGCCCTCCCTGGTCCCTCTTTGTTCTTGGCATGGTAAGAAGGAAAACAAATGCCTTTTGAAGT
 GGATGCTGAGGAAACAGGCTCGTGGGAGAGATGAAGCTTGGCAGCAGGTGGTTGCTGGAATTGAAGGAA
 TCCAAATTTGGCCCTTTAAGGTGGAGTACCTGGAGGATGTCATAAACTACCTCGTATCCACACTAGTGC
 TGCCCAAGATCAATGAGAGGCTGCGTAGAGGCTTCCCTCTCCCTTTGCTGCTGGGATCCGGTTCAGCCA
 CTTACGTTTTACCCTACCAGAATTTCTGTTGCTTGAAGCGGATTTACACCTTATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_177850

Insert Size: 1461 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_177850.3](#), [NP_808518.1](#)

RefSeq Size: 1779 bp

RefSeq ORF: 1461 bp

Locus ID: 329547

UniProt ID: [Q67E05](#)

Cytogenetics: 2 H1

Gene Summary: The cytotoxic action of BPI is limited to many species of Gram-negative bacteria; this specificity may be explained by a strong affinity of the very basic N-terminal half for the negatively charged lipopolysaccharides that are unique to the Gram-negative bacterial outer envelope.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).