

## Product datasheet for **RN206077**

### **Bpi (NM\_001004079) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bpi (NM_001004079) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bpi
Synonyms:	Bpifd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206077 representing NM\_001004079  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTGGGGCCCTGACAACGTGCGGAAATGGTCAAGCCTGGCACTGCTGGCCATCGTGGGCACAGCTT  
 TGACAGCGGCCACCGACCTGGCTTCGTGGCCAGAATCTCCAGAAAGGGTCTGGACTTCGTGTGCCAGGA  
 GAGTATGGTTGAGTTGCAGAAGGAGCTCTAGCCATCAGCATTCTGACTTCTCTGGAGACTTTAAGATA  
 AAGCACCTGGGAAAGGTACCTATGAATTCTACAGCATGGCCGTGGAAGGATTTCAATTCTGATCCCC  
 AGATCAAGCTGCTACCCAGTGTGGCCTCCAGCTGTCCATCACCAGTGCCAGCATCAAGATAAGTGGAA  
 ATGGAAATATAGGAAGAACATCCTCAAAGCCAGCGCAATTTTCAGTGAGCATTAGGGTGTCTCTATC  
 ATCGTGACCTGATCCTGGGCAATGACCCCTCAGGTCGCATCACCATCACCTGTTCTACTGCGACAGTC  
 ACATCAACAGCGTCCGCATCAAAGTCTCTGGCAGCATGCTGGGGTGGCTGATCCAAGTGTCCACAGGAA  
 AATTGAGACTTCCTTAAAAAGACCATTACAAAAAGATCTGCAAGATCGTGAGAACTCCGTGTCCGCC  
 AAGCTTACGCCTTATGTGAAGACTCTCCAGTGGTAGCCAAAGTGGATGATATAACCTCGATTGACTACA  
 GTCTGCTGGCTCCTCCGATGACCACGGACAAGTTCCTGGAGGGGAGCTAAGGGGGAGTTTTTCTGGCG  
 GGGACACCACGGCCATTTCCCGCTGTCCACCAGTAATGAATATTTGCCCAACAATAACTACATGGTA  
 TGCATGGGCATCTCTGACTACTTCTTAACACTGCAGAGTTTGCCTACCAAGAGTCTGAAACCTTAAAA  
 TAACCCTGAGGGACCAATTGTTAGCAAAGGATGCCAGATACCACCTGAACACTGACTTCTTAAGACCTT  
 TCTGCCGAGGTGGCCAAGAAGTCCCCAGCATGGGGTGCAGCTACTGATCTCAGCGCCCTTGTGGCA  
 CACCTGAACATACAGCCCTCAGGCCTTTCGCTCAGTCTAACCTGGAGACCCGGGCCTTTGTGGTCTCC  
 CCAACTCCTCCCTGATCCCTCTCTCTGCTTGGCATGAAAACAAATGCCTCTCTGGAAGTGAATGCTAT  
 GAAAAACAGGCTTATTGGCGAGATGAAGCTAGGCAGGCTTTGCTGGAAGTGAAGCAATCCAACCTTGGC  
 TCTTTAAGGTGGAGTTACTGGAGGATGTATAAACTACCTCATGTCCACAATGGTGTGCCAAGATCA  
 ACGAGAAGCTGCGTGCAGGCTTCTCTCCCTTTCGCTGCCGGGATTCAGCTCATCAACTCGATTCTTTA  
 CTCCTCCAGAATTTCTGTTGCTTGGGCGGATTTACACCGGAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001004079

**Insert Size:** 1449 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\\_001004079.1](#), [NP\\_001004079.1](#)

RefSeq Size: 1970 bp

RefSeq ORF: 1449 bp

Locus ID: 296321

UniProt ID: [Q6AXU0](#)

Cytogenetics: 3q42

**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]