

Product datasheet for **SC119063**

BPI (NM_001725) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BPI (NM_001725) Human Untagged Clone
Tag:	Tag Free
Symbol:	BPI
Synonyms:	BPIFD1; rBPI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119063 sequence for NM_001725 edited (data generated by NextGen Sequencing)

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ATGAGAGAGAACATGGCCAGGGGCCCTTGCAACGCGCCGAGATGGGTGTCCTGATGGTG
CTCGTCGCCATAGGCACCGCCGTGACAGCGGCCGTCAACCCTGGCGTCGTGGTCAGGATC
TCCCAGAAGGGCCTGGACTACGCCAGCCAGCAGGGGACGGCCGCTCTGCAGAAGGAGCTG
AAGAGGATCAAGATTCCTGACTACTCAGACAGCTTTAAGATCAAGCATCTTGGGAAGGGG
CATTATAGCTTCTACAGCATGGACATCCGTGAATTCAGCTTCCCAGTCCCAGATAAGC
ATGGTGCCCAATGTGGCCTTAAGTTCTCCATCAGCAACGCCAATATCAAGATCAGCGGG
AAATGGAAGGCACAAAAGAGATTCTTAAAAATGAGCGGCAATTTTGACCTGAGCATAGAA
GGCATGTCCATTTTCGGCTGATCTGAAGCTGGGCAGTAACCCACGTCAGGCAAGCCCACC
ATCACCTGCTCCAGCTGCAGCAGCCACATCAACAGTGTCCACGTGCACATCTCAAAGAGC
AAAGTGGGGTGGCTGATCCAACCTTCCACAAAAAATGAGTCTGCGCTTCGAAACAAG
ATGAACAGCCAGGTCTGCGAGAAAGTGACCAATTCTGTATCCTCCGAGCTGCAACCTTAT
TTCCAGACTCTGCCAGTAATGACCAAAAATAGATTCTGTGGCTGGAATCAACTATGGTCTG
GTGGCACCTCCAGCAACCACGGCTGAGACCCTGGATGTACAGATGAAGGGGGAGTTTTAC
AGTGAGAAACCACACAATCCACCTCCCTTTGCTCCACCAGTGATGGAGTTTCCCCTGCC
CATGACCCGATGGTATACCTGGGCCTCTCAGACTACTTCTTCAACACAGCCGGGCTTGTA
TACCAAGAGGCTGGGGTCTTGAAGATGACCCTTAGAGATGACATGATTCCAAAGGAGTCC
AAATTTGACTGACAACCAAGTTCTTTGGAACCTTCTACCTGAGGTGGCCAAGAAGTTT
CCCAACATGAAGATACAGATCCATGTCTCAGCCTCCACCCGCCACACCTGTCTGTGCAG
CCCACCGCCTTACCTTCTACCTGCGCTGGATGTCCAGGCCCTTGGCCCTCCTCCCAAC
TCCTCCCTGGCTTCCCTTCTCTGATTGGCATGCACAACTGGTTCATGGAGGTGAGC
GCCGATCCAACAGGCTTGTGGAGAGCTCAAGCTGGATAGGCTGCTCCTGGAAGTGAAG
CACTCAAATATTGGCCCTTCCCGTTGAATTGCTGCAGGATATCATGAACACTACATTGTA
CCCATTCTGTGCTGCCAGGGTTAACGAGAACTACAGAAAGGCTTCCCTCCTCCGACG
CCGGCCAGAGTCCAGCTCTACAACGTAGTGCTTCAGCCTCACCAGAACTTCTGTGTTT
GGTGCAGACGTTGTCTATAAATGA
    
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Clone variation with respect to NM_001725.2
47 c=>t;63 g=>c

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_001725 unedited
NGGTCAGNATTTTGTAAACGACTTACTATAGGGCGGCNCGCGATTTCGGCACCAGGNAGG
ATGAGAGAGACATGGCCAGGGGCCCTTGCAACGCGCCGAGATGGGTGTCCTGATGGTG
TCGTCGCCATAGGCACCGCCGTGACAGCGGCCGTCAACCCTGGCGTCGTGGTCAGGATCT
CCCAGAAGGGCCTGGACTACGCCAGCCAGCAGGGGACGGCCGCTCTGCAGAAGGAGCTGA
AGAGGATCAAGATTCCTGACTACTCAGACAGCTTTAAGATCAAGCATCTTGGGAAGGGGC
ATTATAGCTTCTACAGCATGGACATCCGTGAATTCAGCTTCCCAGTCCCAGATAAGCA
TGGTGCCCAATGTGGCCTTAAGTTCTCCATCAGCAACGCCAATATCAAGATCAGCGGGA
AATGGAAGGCACAAAAGAGATTCTTAAAAATGAGCGGCAATTTTGACCTGAGCATAGAAG
GCATGTCCATTTTCGGCTGATCTGAAGCTGGGCAGTAACCCACGTCAGGCAAGCCCACCA
TCACCTGCTCCAGCTGCAGCAGCCACATCAACAGTGTCCACGTGCACATCTCAAAGAGCA
AAGTGGGGTGGCTGATCCAACCTTCCACAAAAAATGAGTCTGCGCTTCGAAACAAGA
TGAACAGCCAGGTCTGCGAGAAAGTGACCAATTCTGTATCCTCCGAGCTGCAACCTTATT
TCCAGACTCTGNCCAGTATGACCAAAAATAGATTCTGTGGCTGGAATCAACTATGGTCTGG
TGGCACCTNCCAGCACCGGCTGAGACCCTGNATGTACAGATGAAGGGGGAGTTNTACA
GTGAGAACCACACATCCACCTCCTTTGCTNCACAGTGATGGAGTTNCCGCTGCCATGACC
GCATGTATACCTGGCCTCTCAGATACTTT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001725 unedited CATACTGAACCTTTTTTCTTACGTCTGAATCACGCCTCCTGGACGAAATATGCCTGTA CTGCTTACCNCATTTCAAGATGCTTACACCCCTTATGCATAGGCACAATGCACATTTCT AATGAATACTGTTTCTCCCGTTAGATCATCTCTGAATCCGAATCGAATAAATTCGTAT GGAGCCTTTGGTTAAGATCTGCCAGGATTCCTGTGGAAAGGCAACCGGTGCCCCAGCT CCCATCTGGAACAGGCGGGCTGACAGCCCTCGGCACCCCTGGCGCTTCATTTATAGAC AACGCTGCTCCGAACACCAGGAAGTTCTGGTGAGGCTGATGCACTACGTTGTATAGCTG GACTCTGGCCGACGTCTGGAGATGGAAGCCTTTCTGTAGTTTCTCGTTAACCCCTGGGCAG CACAAGAATGGGTACAATGTACTTCATGATATCCTGCATCACTTACCCGGTAAGGAGCC AATATTTGACTGCTTCAGTTCCAGGAGCAGCCTATCCAGCTTGAGCTCTCCAACAAGCCT GTTGGACTCGGCCTGACCTCCATGGAACCAGTTGTGTGCATGCCAATCAGGATGATGGA AGCCAGGGAGGAGTTGGGGAGGACCGCAAAGGCCTGAACATCCACGGCAAGGTCGAAATG TAAGGCCCATGGAGCTGCACAAAACAGGTGTAGGCGGAGGTGCAAGACTGAAACATGGA TCTGTTTCTTTCATGTTGGGAAACCTCCTTGCCACCTTAGGTTGGAAGGCTTCCACAAA CTCTTCTGTGCGCTAAGATTGGGCCCTTTGGGAACCAGTCATCTATAAGGTTATCCTC AATACCCAGCCCTTGGTTTCAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_001725
Insert Size:	1900 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:	<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:	<u>NM_001725.1</u> , <u>NP_001716.1</u>
RefSeq Size:	1813 bp
RefSeq ORF:	1464 bp
Locus ID:	671
UniProt ID:	<u>P17213</u>
Cytogenetics:	20q11.23
Domains:	BPI1
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

This gene encodes a lipopolysaccharide binding protein. It is associated with human neutrophil granules and has antimicrobial activity against gram-negative organisms. [provided by RefSeq, Nov 2014]