

Product datasheet for **RG208067**

BPI (NM_001725) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BPI (NM_001725) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BPI
Synonyms:	BPIFD1; rBPI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208067 representing NM_001725
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGAGAGAACTTGCCAGGGGCCCTTGCAACGCGCCGAGATGGGCGTCCCTGATGGTGTGGTCGCCA
 TAGGCACCGCCGTGACAGCGGCCGTCAACCCTGGCGTCGTGGTCAGGATCTCCAGAAAGGCCCTGGACTA
 CGCCAGCCAGCAGGGGACGGCCGCTCTGCAGAAGGAGCTGAAGAGGATCAAGATTCCTGACTACTCAGAC
 AGCTTTAAGATCAAGCATCTTGGGAAGGGGCATTATAGCTTCTACAGCATGGACATCCGTGAATTCAGC
 TCCCAGTTCCCAGATAAGCATGGTGCCCAATGTGGGCCTTAAGTTCTCCATCAGCAACGCCAATATCAA
 GATCAGCGGAAATGGAAGGCACAAAAGAGATTCTAAAAATGAGCGGCAATTTTGACCTGAGCATAGAA
 GGCATGTCCATTCGGCTGATCTGAAGCTGGGCAGTAACCCACGTCAGGCAAGCCACCATCACCTGCT
 CCAGCTGCAGCAGCCACATCAACAGTGTCCACGTGCACATCTCAAAGAGCAAAGTGGGGTGGCTGATCCA
 ACTCTCCACAAAAAATTGAGTCTGCGCTTCGAAACAAGATGAACAGCCAGGTCTGCGAGAAAGTGACC
 AATTCTGTATCCTCAAGCTGCAACCTTATTTCCAGACTCTGCCAGTAATGACCAAAATAGATTCTGTGG
 CTGGAATCAACTATGGTCTGGTGGCACCTCCAGCAACCACGGCTGAGACCCTGGATGTACAGATGAAGGG
 GGAGTTTTACAGTGAGAACCACCACAATCCACCTCCCTTTGCTCCACCAGTGATGGAGTTTTCCCGTGCC
 CATGACCCGATGGTATACCTGGGCTCTCAGACTACTTCTTCAACACAGCCGGGCTTGATACCAAGAGG
 CTGGGGTCTTGAAGATGACCCCTAGAGATGACATGATTCCAAAGGAGTCCAAATTTGACTGACAACCAA
 GTTCTTTGGAACCTTCTACCTGAGGTGGCCAAGAAGTTCCCAACATGAAGATACAGATCCATGTCTCA
 GCCTCCACCCCGCACACCTGTCTGTGCAGCCCACCGCCTTACCTTCTACCCTGCCGTGGATGTCCAGG
 CCTTTGCCGTCTCCCAACTCCTCCCTGGCTTCCCTCTCCTGATTGGCATGCACACAAGTGGTCCAT
 GGAGGTCAGCGCCGAGTCCAACAGGCTTGTGGAGAGCTCAAGCTGGATAGGCTGCTCCTGGAACTGAAG
 CACTCAAATATTGGCCCTTCCCGGTTGAATTGCTGCAGGATATCATGAACTACATTGTACCCATTCTTG
 TGCTGCCAGGGTTAACGAGAACTACAGAAAGGCTTCCCTCTCCCGACGCCGGCCAGAGTCCAGCTCTA
 CAACGTAGTGCTCAGCCTACCAGAATCTCTGCTGTTCCGGTGCAGACGTTGTCTATAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208067 representing NM_001725
 Red=Cloning site Green=Tags(s)

MRENLARGPCNAPRWASLMVLVAIGTAVTAAVNPVVVVISQKGLDYASQQGTAALQKELKRIKIPDYS
 SFKIKHLGKGHYSFYSDIREFQLPSSQISMVNVGLKFSISNANIKISGKWAQKRFLKMSGNFDLSIE
 GMSISADLKLGSNPTSGKPTITCSCSSHINSVHVHISKSKVGLIQLFHKKIESALRNKMNSQVCEKVT
 NSVSSKLQPYFQTLPMVKIDSVAGINYGLVAPPATTAETLDVQMKGEFYSENHHNPPPFAPPVMEFPAA
 HDRMVYLGLSDYFFNTAGLVYQEAGVLKMTLRDDMIPKESKFRLLTKFFGTFLPEVAKKFPNMKIQIHVS
 ASTPPHLSVQPTGLTFYPAVDVQAFVLPNSSLASLFLIGMHTTGSMESVAESNRLVGELKLDRLLELKL
 HSNIGPFPVELLQDIMNYIVPILVLPVNEKLQKGFPLPTPARVQLYNNVVLQPHQNFLLFADVVYK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001725

ORF Size: 1461 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_001725.1](#), [NP_001716.1](#)

RefSeq Size: 1813 bp

RefSeq ORF: 1452 bp

Locus ID: 671

UniProt ID: [P17213](#)

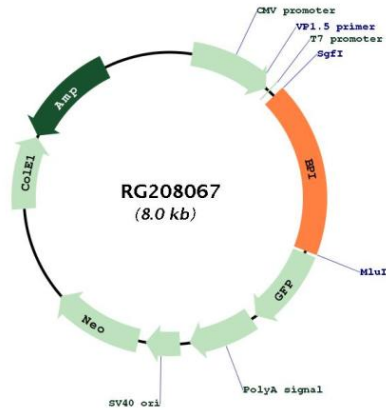
Cytogenetics: 20q11.23

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]

Product images:



Circular map for RG208067