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Datasheet for ABIN1880664

**BPI Protein (AA 32-487) (His tag)**

## Overview

Quantity:	50 µg
Target:	BPI
Protein Characteristics:	AA 32-487
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BPI protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Bactericidal Permeability-Increasing Protein/BPI/CAP57 (C-6His)
Sequence:	VNPGVVVRIS QKGLDYASQQ GTAALQKELK RIKIPDYSDS FKIKHLGKGH YSFYSMDIRE FQLPSSQISM VPNVGLKFSI SNANIKISGK WKAQKRFLKM SGNFDLSIEG MSISADLKLK SNPTSGKPTI TCSSCSSHIN SVHVHISKSK VGWLIQLFHK KIESALRNKM NSQVCEKVTN SVSSKLQPYF QTLPMVKID SVAGINYGLV APPATTAETL DVQMKGEFYS ENHHNPPFPA PPVMEFPAAH DRMVYLGLSD YFFNTAGLVY QEAGVLKMTL RDDMIPKESK FRLTTKFFGT FLPEVAKKFP NMKIQIHVSA STPPHLSVQP TGLTFYPAVD VQAFVLPNS SLASFLIGM HTTGSMESVSA ESNRLVGELK LDRLLLELKH SNIGPFPVEL LQDIMNYIVP ILVLPRVNEK LQKGFPLPTP ARVQLYNVVL QPHQNFLFLG ADVVYKVDHH HHHH
Characteristics:	Recombinant Human Bactericidal permeability-increasing protein/BPI/CAP57 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Val32-Lys487) of Human BPI fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	BPI
Alternative Name:	BPI ( <a href="#">BPI Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Bactericidal permeability-increasing protein(BPI for short), is a secreted protein which belongs to the BPI/LBP/Plunc superfamily, BPI/LBP family. It exists as a monomer or a disulfide-linked homodimer. 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. BPI has antibacterial activity against the Gram-negative bacterium P.aeruginosa, and this activity is inhibited by LPS from P.aeruginosa.</p> <p>Alternative Names: Bactericidal permeability-increasing protein(BPI for short), is a secreted protein which belongs to the BPI/LBP/Plunc superfamily, BPI/LBP family.</p>
Molecular Weight:	52.5 kDa
UniProt:	<a href="#">P17213</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

## Handling

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Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date: 3 months