

Datasheet for ABIN7318192 **BPI Protein (His tag)**

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Overview

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

Product Details

Purpose:	Recombinant Human BPI/CAP57 Protein (His Tag)
Sequence:	Val32-Lys487
Characteristics:	Recombinant Human Bactericidal permeability-increasing protein is produced by our Mammalian expression system and the target gene encoding Val32-Lys487 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	BPI
Alternative Name:	BPI/CAP57 (BPI Products)
Background:	Background: 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

Target Details

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*.
Synonym: Bactericidal permeability-increasing protein,BPI,CAP57

Molecular Weight: 52.5 kDa

UniProt: [P17213](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.