

BPI

Bactericidal Permeability-Increasing Protein / CAP57

Catalog No.	CRA112A	Quantity:	100 µg
	CRA112B		1.0 mg

Alternate Names: Bactericidal permeability-increasing protein, BPI, CAP57

Description: 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. Has antibacterial activity against the Gram-negative bacterium *P. aeruginosa*, this activity is inhibited by LPS from *P. aeruginosa*.

UniProt ID: P17213

Gene ID: 671

Source: Human Serum

Molecular Weight: 55 kDa

Formulation: 80 mM citrate phosphate, pH 5.6 containing 750 mM NaCl.

Purity: ≥ 95% by SDS-PAGE

Extinction Coefficient: $E_{280\text{nm}}^{0.1\%} = 1.0$

Storage & Stability: Store at -80°C for up to 1 year.

Infectious Disease Statement: Prepared from whole blood shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA-required tests.

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