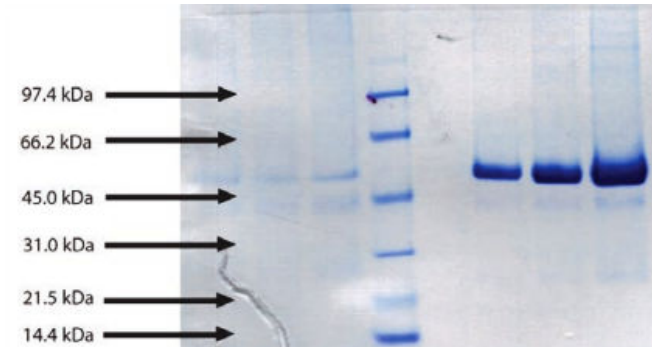


Bacterial/Permeability-Increasing Protein, Human Neutrophil (BPI, CAP57)

CATALOG #:	7288-50	50 µg
	7288-100	100 µg
ALTERNATE NAMES:	BPI, CAP57	
SOURCE:	Human Whole Blood. Shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.	
PURITY:	≥ 95% by SDS-PAGE	
MOL. WEIGHT:	55 kDa	
EXTINCTION COEFFICIENT:	1.00	
FORM:	Frozen.	
FORMULATION:	Frozen in 80 mM Citrate Phosphate, pH 5.6, 0.75 M NaCl.	
STORAGE CONDITIONS:	Aliquot and store at -70°C or lower. Avoid repeated freezing and thawing cycles.	

DESCRIPTION: Bactericidal/permeability increasing protein (BPI) is a 456 residue protein which is part of the innate immune system. BPI was initially identified in neutrophils, but is found in other tissues including the epithelial lining of mucus membranes. It is an endogenous antibiotic protein with potent killing activity against Gram-negative bacteria. It binds to compounds called lipopolysaccharides produced by Gram-negative bacteria. Lipopolysaccharides are potent activators of the immune system; however BPI at certain concentrations can prevent this activation. Bacterial/Permeability-Increasing Protein (BPI) is present in the azurophilic granules of polymorphonuclear leukocytes (PMN). BPI is toxic only toward Gram-negative bacteria. This specificity is attributable to the strong attraction of BPI for the lipopolysaccharides (LPS) in the bacterial envelope. BPI is also an important antigen for anti-neutrophil cytoplasmic autoantibodies (ANCA) in vasculitis.



Bacterial/Permeability-Increasing Protein, Human Neutrophil

4-12% Bis-Tris NuPAGE gel

1. BPI- 5 ug (Reduced/Heat)
2. BPI - 10 ug (Reduced/Heat)
3. BPI- 20 ug (Reduced/Heat)
4. BRMW Standard
5. BPI- 5 ug (Non-reduced/No heat)
6. BPI - 10 ug (Non-reduced/No heat)
7. IBPI- 20 ug (Non-reduced/No heat)

RELATED PRODUCTS:

- Anisomycin (Cat. No. 1549-10)
- Ascomycin (Cat. No. 1573-2)
- Brefeldin A (Cat. No. 1560-5)
- Cycloheximide (Cat. No. 1041-1, -1G)
- Cyclosporine A (Cat. No. 1522-100)
- Ionomycin, Calcium Salt (Cat. No. 1566-5)
- Ionomycin, Free Acid (Cat. No. 1565-5)
- Monensin Methyl Ester (Cat. No. 1808-50, 250)
- Nigericin sodium salt (Cat. No. 2096-5, 25)
- Valinomycin (Cat. No. 2238-10, 50)

FOR RESEARCH USE ONLY! Not to be used in humans.