

Native Human Bacterial/Permeability-Increasing Protein

Cat. No. BPI-182H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-----------------------------|--|
| Species | Human |
| Source | Human Whole Blood |
| Description | 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. |
| Form | Frozen |
| Molecular Mass | MW: 55,000 |
| Purity | >95% by SDS-PAGE |
| Usage | For research use or for use in further manufacturing. |
| Quality Control Test | Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests. |
| Stability | >1 year |
| Storage | <=> |

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Storage Buffer 80 mM Citrate Phosphate, pH 5.6 , 0.75 M NaCl

GENE INFORMATION

Gene Name BPI bactericidal/permeability-increasing protein [Homo sapiens]

Official Symbol BPI

Synonyms BPI; bactericidal/permeability-increasing protein; bactericidal permeability-increasing protein; BPI fold containing family D; member 1; BPIFD1; CAP 57; recombinant BPI holoprotein, rBPI; BPI fold containing family D, member 1; rBPI;

Gene ID 671

mRNA Refseq NM_001725

Protein Refseq NP_001716

MIM 109195

UniProt ID P17213

Chromosome Location 20q11.23

Function Gram-negative bacterial cell surface binding; lipid binding; lipopolysaccharide binding;

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