Native Human Bacterial/Permeability-Increasing Protein

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

SPECIFICATION

Product Overview	
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

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Storage	<=>
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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