Recombinant Rabbit BPI Protein, His-tagged

Cat. No. BPI-327R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit BPI Protein (Ser315-Leu451) with N-His tag was expressed in E. coli.
Species	Rabbit
Source	E.coli
ProteinLength	Ser315-Leu451
Description	The antimicrobial protein Bactericidal Permeability Increasing protein (BPI) is a 55 kDa protein found in the primary granules of polymorhonuclear leukocytes (PMN). The cytotoxicity action of BPI is limited to gram negative bacteria, reflecting the high affinity of BPI for bacterial LPS. Binding of BPI to live bacteria via LPS causes anti-infective activites: 1) cytotoxicity via sequential damage to bacterial outer and inner lipid membranes, 2) neutralization of gram-negative bacterial LPS, 3) opsonization of bacteria to enhance phagocytosis by neutrophils.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.4 kDa Accurate Molecular Mass: 18 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	BPI bactericidal/permeability-increasing protein [Oryctolagus cuniculus (rabbit)]
Official Symbol	BPI
Synonyms	BPI; bactericidal/permeability-increasing protein; bactericidal permeability-increasing protein
Gene ID	100009228
mRNA Refseq	NM_001195804
Protein Refseq	NP_001182733
UniProt ID	G1T5Q9

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