

Recombinant Cattle BPI Protein, His-tagged

Cat. No. BPI-177C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle BPI Protein (Arg36-Ala93+HHHHHH) with N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Arg36-Ala93+HHHHHH
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 10.2 kDa Accurate Molecular Mass: 14 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

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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 [*Bos taurus* (cattle)]

Official Symbol

BPI

Synonyms

BPI; bactericidal permeability increasing protein; bactericidal permeability-increasing protein

Gene ID

280734

mRNA Refseq

NM_173895

Protein Refseq

NP_776320

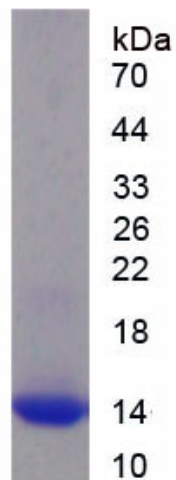
UniProt ID

P00974

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