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Aprotinin, Active, Bovine recombinant protein (AOF)

BPTI, Basic protease inhibitor, Pancreatic trypsin inhibitor

Catalog # PBV11413r

Specification

Aprotinin, Active, Bovine recombinant protein (AOF) - Product info

Primary Accession	P00974
Calculated MW	9.7 kDa (36-93 aa + N-terminal Poly-his tag) KDa

Aprotinin, Active, Bovine recombinant protein (AOF) - Additional Info

Gene Symbol	BPI

Other Names
BPTI, Basic protease inhibitor, Pancreatic trypsin inhibitor

Gene Source	Bovine
Source	E. coli
Assay&Purity	SDS-PAGE ; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes

Target/Specificity
Aprotinin

Application Notes
Centrifuge the vial prior to opening at low speed. Reconstitute in water to a concentration of 1 mg/ml. The solution can then be diluted into PBS or other aqueous buffers and store at 4°C for 1 week or –20°C for future use. For long-term storage, it is recommended to add a carrier protein (e.g., 0.1% BSA). Avoid repeated freezing and thawing cycles.

Format
Lyophilized

Storage
-20°C; Lyophilized from 5 mg/ml solution in PBS

Aprotinin, Active, Bovine recombinant protein (AOF) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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Aprotinin, Active, Bovine recombinant protein (AOF) - Images

Aprotinin, Active, Bovine recombinant protein (AOF) - Background

Aprotinin inhibits the activity of several proteolytic enzymes such as chymotrypsin, kallikrein, plasmin and trypsin. It is present in blood and in most tissues, with a high concentration in lung, inhibits pro-inflammatory cytokine release and maintains glycoprotein homeostasis. In platelets, Aprotinin reduces glycoprotein loss (e.g., GpIb, GpIIb/IIIa), while in granulocytes it prevents the expression of pro-inflammatory adhesive glycoproteins. Aprotinin is a natural proteinase inhibitor polypeptide consisting of fifty-eight amino acids arranged in a single polypeptide chain, cross-linked by three disulfide bridges. BioVision’s Recombinant Bovine Aprotinin is an animal-origin free protein purified by proprietary chromatographic techniques.

Aprotinin, Active, Bovine recombinant protein (AOF) - References

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