

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 Cytometry](#)
- [Cell Culture](#)

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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Kingston I.B., et al. Biochem. J. 233:443-450(1986).
Anderson S., et al. Proc. Natl. Acad. Sci. U.S.A. 80:6838-6842(1983).
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