9051 Mira Mesa Blvd, #910094
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Aprotinin Protein

Aprotinin
NTP0006

Product Overview

Name	Aprotinin Protein
Description	
Aprotinin	
Accession (Primary)	P00974
Synonyms	
Pancreatic trypsin inhibitor, Basic protease inhibitor, BPI, BPTI, Aprotinin, AP.	
Introduction	
Aprotinin inhibits the activity of several proteolytic enzymes such as chymotrypsin, kallikrein, plasmin and trypsin. Aprotinin is present in blood and in most tissues, with a high concentration in lung. Aprotinin 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 (e.g., CD11b).	
Source	
Bovine Lung.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein (1mg/ml) was lyophilized with no additives.	
Stability	
Lyophilized Aprotinin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Aprotinin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Solubility	
It is recommended to reconstitute the lyophilized Aprotinin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.	
Specific Activity	
6,120 KIU (Kallikrein Inactivator Units) per mg, 3.4 pH.Eur.U/mg.	
Precautions	
Aprotinin Protein is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P00974)