

Active Native Bovine Aprotinin

Cat. No. PTI-29B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Aprotinin is a natural proteinase inhibitor polypeptide consisting of fifty-eight amino acids {C 284 H 432 N 84 O 79 S 7} arranged in a single polypeptide chain, cross-linked by three disulfide bridges and having a molecular mass of 6512.
Species	Bovine
Source	Bovine Lung
Form	The protein (1mg/ml) was lyophilized with no additives.
Bio-activity	6,300 KIU (Kallikrein Inactivator Units) per mg, 4.85 TIU/mg.
Purity	Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Unit Definition	1 Unit corresponds to 1 biological kallikrein inhibitor unit (KIU)1 TIU =1,300 KIU.
Usage	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.
Storage	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.

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Reconstitution

It is recommended to reconstitute the lyophilized Aprotinin in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

GENE INFORMATION

Gene Name PTI pancreatic trypsin inhibitor [Bostaurus]

Official Symbol PTI

Synonyms PTI; pancreatictrypsin inhibitor; BPI; BPTI; MGC148815; aprotinin; basic protease inhibitor;Pancreatic trypsin inhibitor

Gene ID 404172

mRNA Refseq NM_001001554

Protein Refseq NP_001001554

UniProt ID P00974

Function peptidase inhibitoractivity; serine-type endopeptidase inhibitor activity; potassium channelinhibitor activity

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