

Native Bovine Pancreatic Trypsin Inhibitor

Cat. No. PTI-1900B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Bovine is purified Bovine lung.
Species	Bovine
Source	Bovine Lung
Description	PTI is a natural proteinase inhibitor polypeptide consisting of fifty-eight amino acids arranged in a single polypeptide chain, cross-linked by three disulfide bridges and having a MW of 6.512 kDa.
Form	Aprotinin (1 mg/ml) was lyophilized with no additives.
Purity	Greater than 98.0% as determined by: Analysis by RP-HPLC, anion-exchange FPLC, and analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
Endotoxin	Less than 0.1 ng/ug (1 EU/ug) of PTI.
Biological activity	PTI activity was found to be 6×10^6 IU/mg.
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). Avoid freeze-thaw cycles.

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OfficialSymbol PTI

GENE INFORMATION

Gene Name PTI pancreatic trypsininhibitor [Bos taurus]

Synonyms PTI; pancreatictrypsin inhibitor; BPI; BPTI; pancreatic trypsin inhibitor; aprotinin; basicprotease inhibitor

Gene ID 404172

mRNA Refseq NM_001001554

Protein Refseq NP_001001554

UniProt ID P00974

Chromosome Location 13

Pathway Axon guidance; Developmental Biology;Glypican 1 network; NCAM signaling for neurite out-growth; NCAM1interactions; Prion diseases

Function peptidase inhibitor activity; potassiumchannel inhibitor activity; serine-type endopeptidase inhibitor activity

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