Active Recombinant Bovine PTI Protein

Cat. No. PTI-152B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant aprotinin is expressed in E. Coli, and purified by HPLC. It contains no animal-derived components. This is a recombinant form of bovine lung aprotinin, which is traditionally isolated from bovine lung by methods involving fractional precipitation, gel filtration, and ion exchange chromatography.
Species	Bovine
Source	E.coli
Description	Aprotinin is a competitive serine protease inhibitor that inhibits trypsin, chymotrypsin, kallikrein and plasmin. Aprotinin forms stable complexes with and blocks the active sites of enzymes. Binding is reversible with most aprotinin-protease complexes and dissociating at pH >10 or <3. Effective concentration is equimolar with protease.
Bio-activity	Specific activity: ≥ 3.0 EPU/mg pro.
Purity	≥ 98% By SDS-PAGE
Storage	Recombinant aprotinin should be stored under -20 centigrade or below in sealed container.It is stable within 24 months.

GENE INFORMATION

Gene Name	PTI pancreatic trypsin inhibitor [Bos taurus]

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Official Symbol	PTI
Synonyms	BPI; BPTI; aprotinin; basic protease inhibitor
Gene ID	404172
mRNA Refseq	NM_001001554
Protein Refseq	NP_001001554

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