

Native Bovine pancreatic trypsin inhibitor therapeutic protein (Aprotinin)

Cat. No. PTI-P063B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Bovine pancreatic trypsin inhibitor therapeutic protein is a protein, that is used as medication administered by injection to reduce bleeding during complex surgery, such as heart and liver surgery. Its main effect is the slowing down of fibrinolysis, the process that leads to the breakdown of blood clots. The aim in its use is to decrease the need for blood transfusions during surgery, as well as end-organ damage due to hypotension (low blood pressure) as a result of marked blood loss.
Species	Bovine
Protein Length	58 Aa
Description	Our expression product is the active ingredient of Trasylol and Aprotinin.
Molecular Mass	6.51 Kda
AA Sequence	RPDFCLEPPYTGPCKARIIRYFYNAKAGLCQTFVYGGCRAKRNNFKSAEDCMRTCG GA
Endotoxin	< 1.0 EU per µg of the protein
Purity	>95%
Storage	Can be stored at +4 centigrade short term (1-2weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing

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Alias BPI; BPTI; Aprotinin**GENE INFORMATION****Gene Name** PTI pancreatic trypsin inhibitor [Bos taurus]**Official Symbol** PTI**Synonyms** BPI; BPTI; aprotinin; basic protease inhibitor**Gene ID** 404172**mRNA Refseq** NM_001001554**Protein Refseq** NP_001001554**Chromosome Location** chromosome: 13**Function** potassium channel inhibitor activity; protein binding; serine-type endopeptidase inhibitor activity Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA