

Aprotinin Bovine

Description: Aprotinin Bovine Recombinant is approximately 6,512 Dalton highly purified and designed specifically for cell culture applications, protein purification, diagnostic testing and pharmaceuticals. It is produced without the use of animal- or human-derived materials and is therefore free from risk of contaminating human or animal-derived viruses or prions.

Catalog #: PRPS-421

For research use only.

Synonyms: Pancreatic trypsin inhibitor, Basic protease inhibitor, BPI, BPTI, Aprotinin, AP.

Source: Maize (Corn).

Physical Appearance: Sterile Filtered lyophilized powder.

Purity: Greater than 90.0% as determined by Gel Electrophoresis.

Formulation:

The protein was lyophilized without any additives.

Stability:

Aprotinin although stable at room temperature for 3 weeks, should be stored at 4°C.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the Aprotinin in sterile 18MO-cm H₂O not less than 100

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).

Biological Activity:

4.6 TIU/mg.

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