10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Aprotinin recombinant protein

Pancreatic trypsin inhibitor, Basic protease inhibitor, BPI, BPTI, Aprotinin, AP

Catalog # PBV10355r

Specification

Aprotinin recombinant protein - Product info

Calculated MW	**6.5 kDa KDa**

Aprotinin recombinant protein - Additional Info

Other Names
Pancreatic trypsin inhibitor, Basic protease inhibitor, BPI, BPTI, Aprotinin, AP

Source	**Bovine lung**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC; ≥98%**
Recombinant	**No**
Results	**6 x 10^6 IU/mg.**

Application Notes
Reconstitute in H_2O to a concentration of 1 mg/ml. The solution can then be diluted into other aqueous buffers and store at 4°C for 1 week or –20°C for future use. For long-term storage, it is recommend to add a carrier protein (e.g., 0.1% BSA). Prevent freeze/thaw cycles.

Format
Lyophilized protein

Storage
-20°C; Sterile filtered and lyophilized with no additives

Aprotinin recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Aprotinin recombinant protein - Images

Aprotinin recombinant protein - Background

Aprotinin inhibits the activity of several proteolytic enzymes such as chymotrypsin, kallikrein, plasmin and trypsin. It is present in blood and in most tissues, with a high concentration in lung, 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. Aprotinin 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 molecular mass of 6512 Daltons. Aprotinin is purified by proprietary chromatographic techniques.