Creative Enzymes®

Aprotinin from Bovine, Recombinant

Cat. No. NATE-1892

Lot. No. (See product label)

Introduction

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 >10.0 or <3.0. Effective concentration is equimolar with protease.
Synonyms	Trypsin Inhibitor; 9087-70-1; aprotinin; Trasylol

Product Information

Species	Bovine lung
Source	E. coli
Form	Powder
CAS No.	9087-70-1
Purity	Single band (≥92%) by SDS-PAGE
Activity	> 3.0 EPU/mg protein
Unit Definition	One trypsin inhibitor unit (EPU) will inhibit the activity of one trypsin unit hydrolyze 1umol of N-benzoyl-L-arginine ethyl ester hydrochloride (BAEE) per second at pH 8.0 at 25 °C. Each EPU of aprotinin is equivalent to 1,800 KIU.

Storage and Shipping Information

Storage	Recombinant aprotinin should be stored under -20°C or below in sealed container. It is stable within 24 months.