

Rat Elastase

Cat. No. CEFX-033

Lot. No. (See product label)

Introduction

Description Pancreatic elastase is a form of elastase that is produced in the acinar cells of the pancreas, initially produced as an inactive zymogen and later activated in the duodenum by trypsin. Elastases form a subfamily of serine proteases, characterized by a distinctive structure consisting of two beta-barrel domains converging at the active site that hydrolyze amides and esters amongst many proteins in addition to elastin, a type of connective tissue that holds organs together. Pancreatic elastase 1 is a serine endopeptidase, a specific type of protease that has the amino acid serine at its active site.

Product Information

Species	Rat
Source	Rat Pancreas
Form	Powder
EC Number	EC 3.4.21.35
Molecular Weight	25700
Activity	1.9-2.1 units/mg
Unit Definition	One unit will hydrolyze 1 μ M of Suc-(Al)3-pNA per minute at pH 8.8 and 37°C

Storage and Shipping Information

Storage Store 5°C. Stable 9-12 months.