

Elastase from porcine pancreas

Catalog	Unit
TBP0109-5MG	5 mg
TBP0109-50MG	50 mg

Description

Elastase is a single polypeptide chain of 240 amino acid residues with a molecular mass of approximately 25.9 kDa, containing four disulfide bridges. Synthesized as an inactive zymogen (proelastase), it is activated by trypsin-mediated proteolysis at the N-terminal. Elastase has broad specificity, hydrolyzing elastin, hemoglobin, casein, fibrin, and substrates like N-Succinyl-Ala-Ala-Ala-p-nitroanilide (TBP0108). In research, elastase is applied in cell culture, ELISA techniques, and elastase inhibitory assays.

Product Details

Alternative names: Pancreatopeptidase E, porcine pancreatic elastase (PPE)

CAS Number: 39445-21-1

Molecular Weight: 25.9 kDa

Source: Porcine

Formulation: powder

pH: 8.0 at 25 °C

Storage: -20 °C

For research use only