

Bioactive

## Elastase (Porcine), 2x

Catalog # P5225

Size 25 mg

### Specification

<b>Product Description</b>	Solution. 2x crystalline. The enzyme must be diluted and 0.22 um filtered before use.
<b>Biological function</b>	Elastase is a serine protease similar to trypsin and chymotrypsin that also hydrolyses amides and ester, it is unique among proteases in its ability to hydrolyze native elastin, a substrate not attacked by trypsin, chymotrypsin or pepsin.
<b>Host</b>	Pig
<b>Theoretical MW (kDa)</b>	25.9
<b>Form</b>	Liquid
<b>Preparation Method</b>	Native protein purified from Porcine Pancreas
<b>Activity</b>	$\geq 3$ units per mg protein. One Unit cleaves one micromole of N-succinyl-L-alanyl-L-alanyl-L-alanine-p-nitroanilide per minute at 25°C, pH 8.0.
<b>Recommend Usage</b>	Elastase Assay; Isolation of Type II lung cells.
<b>Storage Instruction</b>	Store at 4°C. Do not freeze. This product is stable for at least 3 months.

### Applications

- Enzyme Activity