

## Product datasheet

# Native human Chymotrypsin protein ab90927

## 1 References

### Description

<b>Product name</b>	Native human Chymotrypsin protein
<b>Biological activity</b>	Activity: 40-70 units per mg protein. One unit is defined as the amount of enzyme that hydrolyzes one $\mu$ mole of Suc-Ala-Ala-Pro-Phe-pNA per minute at 25°C, pH 8.0
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Expression system</b>	Native
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Native
<b>Species</b>	Human

### Specifications

Our **Abpromise guarantee** covers the use of **ab90927** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	Prepared from tissue shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C. Constituent: 0.0072% Hydrochloric acid This product is an active protein and may elicit a biological response in vivo, handle with caution.
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### General Info

<b>Function</b>	Has chymotrypsin-type protease activity and hypocalcemic activity.
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<b>Tissue specificity</b>	Pancreas.
<b>Involvement in disease</b>	Variations in CTRC influence susceptibility to chronic pancreatitis [MIM:167800]. Chronic pancreatitis is a persistent inflammatory disorder characterized by permanent destruction of the pancreatic parenchyma.
<b>Sequence similarities</b>	Belongs to the peptidase S1 family. Elastase subfamily. Contains 1 peptidase S1 domain.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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