

## Product datasheet

# Natural Human Alpha Thrombin protein ab81585

### Overview

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<b>Product name</b>	Natural Human Alpha Thrombin protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Native
<b>Source</b>	Native

### Amino Acid Sequence

<b>Species</b>	Human
<b>Molecular weight</b>	37 kDa
<b>Amino acids</b>	328 to 622

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab81585** in the following tested applications.

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

<b>Biological activity</b>	<0.1% Thrombin activity. Assay is performed to determine percent contaminating thrombin activity. Residual thrombin activity is based on a thrombin standard curve. Chromagenic assay uses Spectrozyme-TH as substrate.
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<b>Applications</b>	SDS-PAGE
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<b>Purity</b>	> 95 % SDS-PAGE.
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<b>Form</b>	Liquid
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<b>Additional notes</b>	The active site of thrombin is blocked with DFP (Diisopropylfluorophosphate).
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### Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 20mM HEPES, 150mM Sodium chloride, pH 7.4
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## General Info

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<b>Relevance</b>	Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.
<b>Cellular localization</b>	Secreted › extracellular space.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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