

Product datasheet

Natural Human Alpha Thrombin protein ab81585

Overview

Product name	Natural Human Alpha Thrombin protein
Protein length	Full length protein

Description

Nature	Native
Source	Native

Amino Acid Sequence

Species	Human
Molecular weight	37 kDa
Amino acids	328 to 622

Specifications

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.

Biological activity	<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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Applications	SDS-PAGE
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Purity	> 95 % SDS-PAGE.
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Form	Liquid
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Additional notes	The active site of thrombin is blocked with DFP (Diisopropylfluorophosphate).
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Preparation and Storage

Stability and Storage	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

Relevance	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.
Cellular localization	Secreted › extracellular space.

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