

[Go to Product page](#)

Datasheet for ABIN2965565 **alpha-Thrombin Protein**

Overview

Quantity:	1000 IU
Target:	alpha-Thrombin
Origin:	Pig
Source:	Pig
Protein Type:	Native

Product Details

Characteristics:	Porcine Thrombin
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Target Details

Target:	alpha-Thrombin
Alternative Name:	Thrombin (alpha-Thrombin Products)

Background:	<p>Introduction: Thrombin enzyme (Activated Factor IIa) is an important clotting promoter that controls the transformation of soluble fibrinogen to insoluble active fibrin strands. Thrombin is a coagulation protein and a serine protease (EC 3.4.21.5) that catalyzes many coagulation-related reactions. Thrombin triggers factor-XI, factor-V, Factor-XIII and factor-VIII. Thrombin endorses platelet activation, using activation of protease-activated receptors on the platelet. As a result of its high proteolytic specificity, thrombin has become an important biochemical protein. The thrombin cleavage site (Leu-Val-Pro-Arg-Gly-Ser) is widely used in linker regions of recombinant fusion protein constructs. After the purification of the fusion protein, thrombin is used to cleave between the Arginine and Glycine residues of the cleavage site, efficiently removing the purification tag from the protein of interest with a high degree of specificity.</p>
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Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized Powder from 20mM PBS, pH 7.4 containing 0.9% NaCl.It is recommended to reconstitute the lyophilized Thrombin in sterile 18M omega cm H 2 O.
Storage:	-20 °C