

Thrombin, Active, Porcine blood recombinant protein
Activated Factor IIa
Catalog # PBV11197r**Specification**

Thrombin, Active, Porcine blood recombinant protein - Product info

Primary Accession [F1SIB1](#)
Calculated MW **33.5 kDa** KDa

Thrombin, Active, Porcine blood recombinant protein - Additional Info

Gene Symbol	F2
Other Names	
Activated Factor IIa	
Gene Source	Porcine
Source	Porcine blood
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	N/A;
Recombinant	No
Results	20-1000 IU/mg of lyophilized powder
Target/Specificity	
Thrombin	

Application Notes

Reconstitute in sterile water (100 U/ml) with 0.9% NaCl. It forms a clear solution.

Format

Lyophilized

Storage

-20°C; Sterile filtered and lyophilized without any salts.

Thrombin, Active, Porcine blood recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Thrombin, Active, Porcine blood recombinant protein - Images**Thrombin, Active, Porcine blood recombinant protein - Background**

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.