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Thrombin, Active, Bovine Plasma (Technical grade) recombinant protein

Activated Factor IIa
Catalog # PBV11198r

Specification

Thrombin, Active, Bovine Plasma (Technical grade) recombinant protein - Product info

Primary Accession	P00735
Calculated MW	**37 kDa KDa**

Thrombin, Active, Bovine Plasma (Technical grade) recombinant protein - Additional Info

Gene ID	**280685**
Gene Symbol	**F2**
Other Names	
Activated Factor IIa	
Gene Source	**Bovine**
Source	**Bovine plasma**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**N/A;**
Recombinant	**No**
Results	**90-250 U/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 with Mannitol and Sodium Chloride.

Thrombin, Active, Bovine Plasma (Technical grade) 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 Cytomety
- Cell Culture

Thrombin, Active, Bovine Plasma (Technical grade) recombinant protein - Images

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Thrombin, Active, Bovine Plasma (Technical grade) 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.

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