

Thrombin, Active, Bovine Plasma (High Activity) recombinant protein
Activated Factor IIa
Catalog # PBV11199r**Specification**

Thrombin, Active, Bovine Plasma (High Activity) recombinant protein - Product info

Primary Accession [P00735](#)
Calculated MW **37 kDa KDa**

Thrombin, Active, Bovine Plasma (High Activity) 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	>1500 units/mg 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 (High Activity) 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, Bovine Plasma (High Activity) recombinant protein - Images

Thrombin, Active, Bovine Plasma (High Activity) 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.

Thrombin, Active, Bovine Plasma (High Activity) recombinant protein - References

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