

thrombin active protein

Thrombin, Bovine Plasma

CATALOG #
AAA11493

PRODUCT SYNONYMS

Thrombin; Bovine Plasma; Bovine - Standard Grade; thrombin active protein

PRODUCT SPECIFICATIONS

Form/Format	Lyophilized powder containing glycine, sodium chloride and calcium chloride.
Source	Bovine plasma
CAS Number	9002-04-4
E.C Number	3.4.21.5
Activity	88 U/mg solid (US/NIH coagulation units)
Protein	0.60mg protein/mg solid (Biuret)
Specific Activity	140 U/mg protein (US/NIH coagulation units)
Moisture	1.9% (Loss on drying)
pH	6.8 (1% solution)
Reconstitution	Reconstitute and dilute with 0.9% sodium chloride.
Preparation and Storage	Store -20°C. Protect from moisture.

ADDITIONAL INFORMATION

Related Product Information for thrombin active protein	We are a producer and supplier of bovine Thrombin, medical research of proteolytic enzymes and manufacturing of defibrinating human plasma and serum free media component. Custom preparations, technical support, bulk quantities and aliquoting available. Bovine Thrombin EC 3.4.21.5 (activated Factor II) is a coagulation protein that has many effects in the coagulation cascade. Bovine Thrombin is a serine protease that converts fibrinogen into fibrin. Bovine Thrombin used as a reagent, Thrombin has proven useful in the laboratory evaluation of many fibrinogen(s) Our customers use Bovine Thrombin to defibrinate human plasma, producing serum matrixes to be used as controls and standards. Bovine Thrombin High specific material available (> 2000 U/mg protein) is used to cleave r-fusion proteins containing a thrombin site for removal of affinity tags as well as certain pharmaceutical applications. Thrombin promotes chemotaxis in monocytes, neurite retraction in neuron Thrombin serves as a potent mitogenic agent in fibroblast growth and functions as a serum-free media component for several cell lines Bovine Thrombin is a multifunctional proteolytic enzyme which acts both specifically and non-specifically with several proteins, cells, surfaces, and other molecules. Bovine Thrombin(s) essential role in the clotting process has been well characterized where it converts fibrinogen, a soluble plasma glycoprotein, to an insoluble protein gel called fibrin, the essential component of the blood clot.
Product Categories/Family for thrombin active protein	Proteins ; Antigens ; Enzymes ; Standards/controls ; Native Proteins ; Thrombin

NCBI AND UNIPROT INFORMATION

NCBI GI #	213487
Molecular Weight	36,000
NCBI Official Full Name	thrombin, partial
UniProt Protein Name	Thrombin
UniProt Gene Name	thrombin
UniProt Entry Name	Q91218_ONCMY

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/active-protein/thrombin/11493>