

Product datasheet

Native rat Plasmin protein ab92813

[1 Image](#)

Description

Product name	Native rat Plasmin protein
Biological activity	Activity: 100% by definition (eluted from SBTI) 1 ug of plasmin corresponds to 0.024 CU or to 0.028 CTA-U.
Purity	> 95 % SDS-PAGE. Prepared from plasminogen by activation with immobilized Human uPA.
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Rat

Specifications

Our **Abpromise guarantee** covers the use of **ab92813** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	Spectrophotometric Data: Ultraviolet: Absorbance (280nm) = 4.5 Epsilon 0.1% = 1.69 Active Concentration = 2.66 mg/mL

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.40 Constituents: 2.38% HEPES, 0.58% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

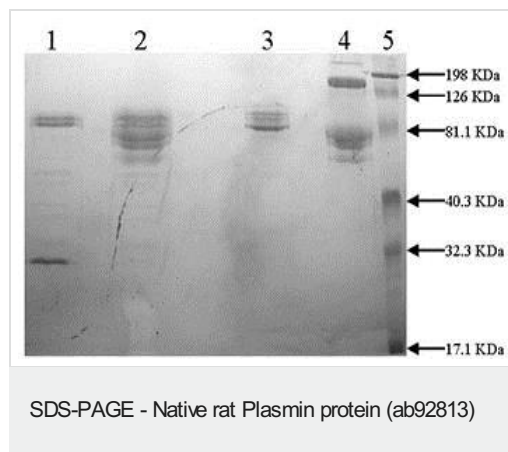
Function	Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other
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processes including embryonic development, tissue remodeling, tumor invasion, and inflammation. In ovulation, weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator, collagenases and several complement zymogens, such as C1 and C5. Cleavage of fibronectin and laminin leads to cell detachment and apoptosis. Also cleaves fibrin, thrombospondin and von Willebrand factor. Its role in tissue remodeling and tumor invasion may be modulated by CSPG4. Binds to cells.

Angiostatin is an angiogenesis inhibitor that blocks neovascularization and growth of experimental primary and metastatic tumors in vivo.

Tissue specificity	Present in plasma and many other extracellular fluids. It is synthesized in the liver.
Involvement in disease	Plasminogen deficiency
Sequence similarities	Belongs to the peptidase S1 family. Plasminogen subfamily. Contains 5 kringle domains. Contains 1 PAN domain. Contains 1 peptidase S1 domain.
Domain	Kringle domains mediate interaction with CSPG4.
Post-translational modifications	N-linked glycan contains N-acetylglucosamine and sialic acid. O-linked glycans consist of Gal-GalNAc disaccharide modified with up to 2 sialic acid residues (microheterogeneity). In the presence of the inhibitor, the activation involves only cleavage after Arg-580, yielding two chains held together by two disulfide bonds. In the absence of the inhibitor, the activation involves additionally the removal of the activation peptide.
Cellular localization	Secreted. Locates to the cell surface where it is proteolytically cleaved to produce the active plasmin. Interaction with HRG tethers it to the cell surface.

Images



10% SDS-PAGE analysis of ab92813

Lane 1: ab92813 (3µg) Reduced

Lane 2: ab92813 (3µg) + Antiplasmin (10µg) Reduced

Lane 3: ab92813 (3µg) Non-reduced

Lane 4: ab92813 (3µg) + Antiplasmin (10µg) Non-reduced

Lane 5: Molecular weight markers

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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