

Product datasheet

Recombinant Human PAI1 protein (Biotin) ab93154

[1 Image](#)

Description

Product name	Recombinant Human PAI1 protein (Biotin)
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Conjugation	Biotin

Specifications

Our **Abpromise guarantee** covers the use of **ab93154** 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	Solubility: > 2 mg/mL and < 5 mg/mL Spectrophotometric Data: Ultraviolet: Absorbance (280nm) = 1.25 Epsilon ^{0.1%} = 1.0

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 6.60 Constituents: 0.82% Sodium phosphate, 0.0292% EDTA, 0.58% Sodium chloride
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General Info

Function	This inhibitor acts as 'bait' for tissue plasminogen activator, urokinase, and protein C. Its rapid interaction with TPA may function as a major control point in the regulation of fibrinolysis.
Tissue specificity	Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.

Involvement in disease

Defects in SERPINE1 are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1D) [MIM:613329]. It is a hematologic disorder characterized by increased bleeding after trauma, injury, or surgery. Affected females have menorrhagia. The bleeding defect is due to increased fibrinolysis of fibrin blood clots due to deficiency of plasminogen activator inhibitor-1, which inhibits tissue and urinary activators of plasminogen.

Note=High concentrations of SERPINE1 seem to contribute to the development of venous but not arterial occlusions.

Sequence similarities

Belongs to the serpin family.

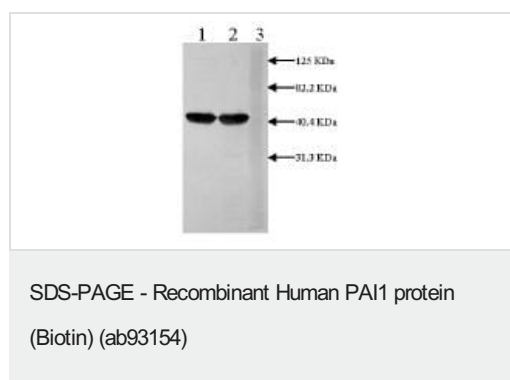
Post-translational modifications

Inactivated by proteolytic attack of the urokinase-type (u-PA) and the tissue-type (TPA), cleaving the 369-Arg-Met-370 bond.

Cellular localization

Secreted.

Images



Western blot - 10% SDS PAGE

Avidin AP conjugate at 1/3000

Lane 1: ab93154 (3 µg), reduced

Lane 2: ab93154 (3 µg) plus uPA (12 µg), reduced

Lane 3: Prestained standard

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

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