

## Product datasheet

# Recombinant human PAI1 protein ab92940

### 画像数 1

#### 製品の概要

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製品名	Recombinant human PAI1 protein
タンパク質長	Full length protein

#### 製品の詳細

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由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
生物種	Human

#### 特性

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Our [Abpromise guarantee](#) covers the use of **ab92940** in the following tested applications.

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

生理活性	ab92940 is >98% active as determined by titration with HMW tc-urokinase and SDS PAGE. Kinetic Data: Second order rate constants for inhibition of: uPA = $6.3 \times 10^6 \text{ MP}^{-1}\text{s}^{-1}$ tPA = $5.7 \times 10^6 \text{ MP}^{-1}\text{s}^{-1}$
アプリケーション	Functional Studies SDS-PAGE
製品の状態	Liquid

#### 前処理および保存

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保存方法および安定性	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 This product is an active protein and may elicit a biological response in vivo, handle with caution.
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#### 関連情報

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機能	This inhibitor acts as 'bait' for tissue plasminogen activator, urokinase, and protein C. Its rapid
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interaction with TPA may function as a major control point in the regulation of fibrinolysis.

#### 組織特異性

Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.

#### 関連疾患

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.

#### 配列類似性

Belongs to the serpin family.

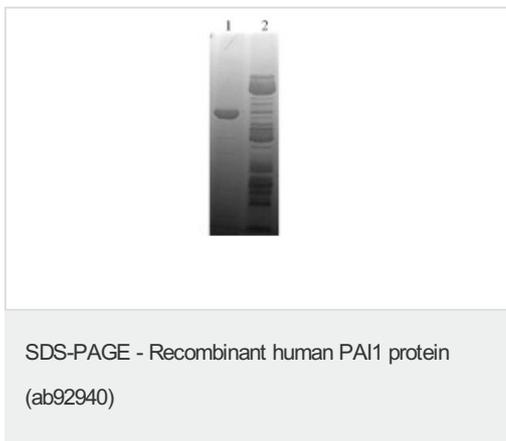
#### 翻訳後修飾

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

#### 細胞内局在

Secreted.

#### 画像



10% SDS page

Lane 1: ab92940 (3 µg), reduced

Lane 2: ab92940 (3 µg) + 10 µg uPA, reduced.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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