

Product datasheet

Recombinant Human PAI1 (mutated) protein ab93153

製品の概要

製品名	Recombinant Human PAI1 (mutated) protein
タンパク質長	Full length protein

製品の詳細

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

特性

Our [Abpromise guarantee](#) covers the use of **ab93153** in the following tested applications.

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

アプリケーション	SDS-PAGE
精製度	> 95 % SDS-PAGE.

製品の状態	Liquid
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備考

ab93153 contains two amino acid substitutions at positions P12 and P14 in the reactive center loop which produces a PAI1 that becomes a substrate for proteinases rather than an inhibitor.

前処理および保存

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. Preservative: None Constituents: 0.1M Sodium chloride, 0.05M Sodium phosphate, 1mM EDTA, pH 6.6
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関連情報

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.

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