

Recombinant Human PAI1 (mutated) protein ab93232

製品の詳細

製品名	Recombinant Human PAI1 (mutated) protein
生理活性	A triple mutation on the wild-type background makes ab93232 selectively inhibit tPA. Urokinase inhibition is limited to 1/25,000 of tPA inhibition by the P3Tyr-P2Ser-P1Tyr mutation.
精製度	> 95 % SDS-PAGE.
発現系	Escherichia coli
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
修飾	mutated P1Y + P2S + P3Y

特性

Our **Abpromise guarantee** covers the use of **ab93232** 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	Inhibition Assay SDS-PAGE
製品の状態	Liquid
備考	A triple mutation on the wild-type background makes ab93232 selectively inhibit tPA. Urokinase inhibition is limited to 1/25,000 of tPA inhibition by the P3Tyr-P2Ser-P1Tyr mutation.

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. pH: 6.60 Constituents: 0.82% Sodium phosphate, 0.0292% EDTA, 0.58% Sodium chloride
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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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組織特異性

interaction with TPA may function as a major control point in the regulation of fibrinolysis.

関連疾患

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

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.

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