

Recombinant human PAI1 (mutated N150H + K154T + Q319L + M354I) protein ab92969

1 图像

描述

产品名称	重组人PAI1 (mutated N150H + K154T + Q319L + M354I)蛋白
生物活性	>95% active by uPA titration. Kinetic Data: Second order rate constants for inhibition of: uPA = $5.1 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$ tPA = $7.9 \times 10^5 \text{ M}^{-1}\text{s}^{-1}$
纯度	> 95 % SDS-PAGE. > 99% pure by SDS PAGE
表达系统	Escherichia coli
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human

技术指标

Our **Abpromise guarantee** covers the use of **ab92969** in the following tested applications.

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

应用	SDS-PAGE Functional Studies
形式	Liquid
补充说明	Solubility: > 2 mg/mL and < 5 mg/mL Ultraviolet: Absorbance (280nm) = 2.5 epsilon ^{0.1%} = 1.0

ab92969 contains the following four mutations: K154T, Q319L, M354I and N150H. These mutations combine to confer great stability to the otherwise labile molecule essentially locking in into the active conformation. It is an ideal choice for in vivo studies.

制备和贮存

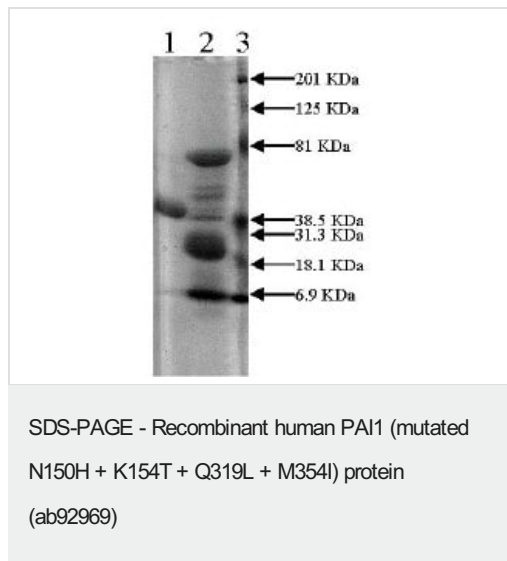
稳定性和存储	Shipped on Dry Ice. Store at -80°C. pH: 6.60 Constituents: 0.82% Sodium phosphate, 0.0292% EDTA, 0.58% Sodium chloride
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

功能	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.
组织特异性	Found in plasma and platelets and in endothelial, hepatoma and fibrosarcoma cells.
疾病相关	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.
序列相似性	Belongs to the serpin family.
翻译后修饰	Inactivated by proteolytic attack of the urokinase-type (u-PA) and the tissue-type (TPA), cleaving the 369-Arg-Met-370 bond.
细胞定位	Secreted.

图片



10% SDS Page Gelcode Blue Stain

1. 3ug ab92969 reduced
2. 3ug ab92969 + 12ug Urokinase reduced
3. prestained standard

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

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