

Innovative Research, Inc.

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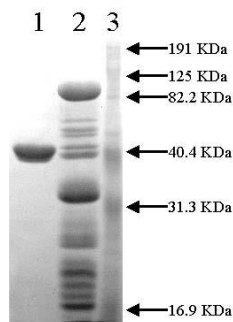
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Certificate of Analysis



10% SDS-PAGE - GelCode Blue Stain

1 HWT-705 (3 ug) Reduced

2 HWT-705 (3 ug) + uPA (12 ug) Reduced

3 Prestained Standard

Product: PAI-A – Human Plasminogen Activator Inhibitor I (Active Wild Type)

Date: 8 July, 2005

Lot: HWT

Molecular Weight: 43,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL and < 5 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 2.1 $\epsilon^{0.1\%} = 1.0$

Concentration = 2.1 mg/mL

Active Concentration = 2.1 mg/mL

Kinetic Data:

Second order rate constants for inhibition of:

uPA = $6.3 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$

tPA = $5.7 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr

Buffer Composition: 0.05 M Sodium Phosphate; 0.1 M NaCl; 1 mM EDTA; pH 6.6

Other: > 98% pure by SDS PAGE 95 (+/-) 5% active by uPA titration