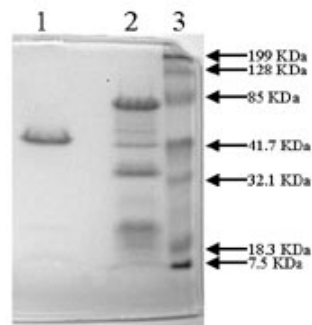


Molecular Innovations, Inc.

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Certificate of Analysis



10% SDS-PAGE - GelCode Blue Stain
1 6XHisPAI-1001 (5 ug) Reduced
2 6XHisPAI-1001 (5 ug)+uPA-HTC (8 ug) Reduced
3 Prestained Standard

Product: Human Plasminogen Activator Inhibitor I – 6X-HISPAI (stable mutant)

Date: 29 October, 2001

Lot: 6XHISPAI-1001

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) 1.65 $\epsilon^{0.1\%} = 1.0$
Concentration = 1.65 mg/mL
Active Concentration = 1.65 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; pH 5.8
Other: > 98% pure by SDS PAGE 98 (+/-) 2% active by uPA titration

Duane E. Day

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