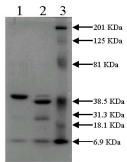
Molecular Innovations, Inc.

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Certificate of Analysis



10% SDS-PAGE - GelCode Blue Stain 1 HPAI-T333R-803 (3 ug) Reduced

2 HPAI-T333R-803 (3 ug)+uPA-HTC (0.5 ug) Reduced

3 Prestained Standard

Product: HPAI-T333R – Human Plasminogen Activator Inhibitor (substrate mutant)

Date: 26 August 2003 **Lot:** HPAI-T333R-803

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) = $0.355 \in {}^{0.1\%} = 1.0$

Concentration = 0.355 mg/mL

Substrate Activity:

A single substitution at position P14 in the reactive center loop produces a PAI-1 that becomes a substrate for proteinases rather than an inhibitor.

Considerations:

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

Buffer Composition: 0.05 M Sodium Phosphate; 0.15 M NaCl; pH 6.6

Other: > 98% pure by SDS PAGE

Duane E. Day

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