



OXFORD BIOMEDICAL RESEARCH
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Product Specification

Human Plasminogen Activator Inhibitor I N-Terminal Cysteine (stable mutant)

Product #: PI 82

Lot #: NTCYSPAI-103

Molecular Weight: 43 KDa

Physical Appearance: colorless frozen solution

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

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.68 0.1% = 1.0

Concentration = 1.68 mg/mL

Active Concentration = 1.68 mg/mL

Kinetic Data:

Second order rate constants for inhibition of:

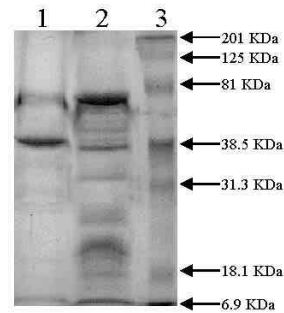
uPA = $6.3 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$ tPA = $5.7 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$

Considerations:

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

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

Other: > 98% pure by SDS PAGE 95 ± 5% active by uPA titration



10% SDS-PAGE - GelCode Blue Stain

1 NTCYSPAI-103 (5 ug) Reduced

2 NTCYSPAI-103 (5 ug)+uPA-HTC (8 ug) Reduced

3 Prestained Standard