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Product Specification

Human Plasminogen Activator Inhibitor I Mutant (minimal vitronectin binding, active)

Product #: PI 07

Lot #: Q123K-A-303

Molecular Weight: 43 KDa

Physical Appearance: colorless frozen solution

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

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 1.84 0.1% = 1.0

Concentration = 1.84 mg/mL

Active Concentration = 1.8 mg/mL

Kinetic Data:

Second order rate constants for inhibition of:

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

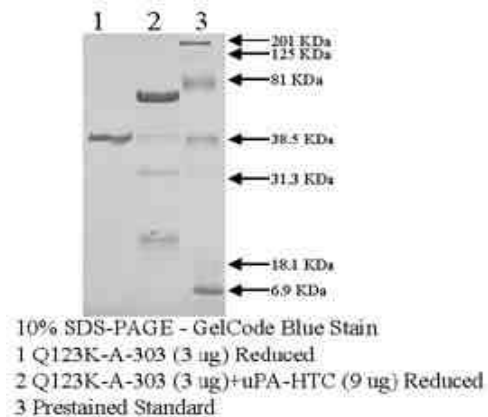
tPA = $5.7 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$

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



Reference(s): Minimal vitronectin binding published by Lawrence DA, Berkenpas MB, Palaniappan S, Ginsburg D. J Biol Chem 1994 May 27; 269(21): 15223-8.