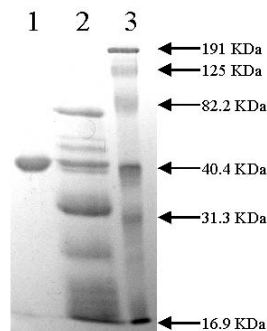


## Molecular Innovations, Inc.

21315 Hilltop St.  
Southfield, MI 48034 • USA  
TEL: (248) 353-4927  
FAX: (248) 353-4929  
Web Site: <http://www.mol-innov.com>

# Certificate of Analysis



10% SDS-PAGE - GelCode Blue Stain

1 S119C-NBD-805 (3 ug) Reduced

2 S119C-NBD-805 (3 ug) + uPA (10 ug) Reduced

3 Prestained Standard

**Product:** S119C-NBD – PAI-1 mutant reports vitronectin binding

**Date:** 15 August, 2005

**Lot:** S119C-NBD-805

**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) = 1.94  $\epsilon^{0.1\%} = 1.0$

Concentration = 1.94mg/mL

Active Concentration = 1.75 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: 0.5 M Sodium Phosphate; 0.1 M NaCl; 1 mM EDTA; pH 6.6

Other: > 98% pure by SDS PAGE 90 (+/-) 5% active by uPA titration

References: Minor, Kenneth H and Peterson, Cynthia B. (2002) *J. Biol. Chem.* 277, 10337-45. Backovic, Marija, et al. (2002) *Protein Science.* 11. 1182-91.

*Duane E. Day*

Duane E. Day