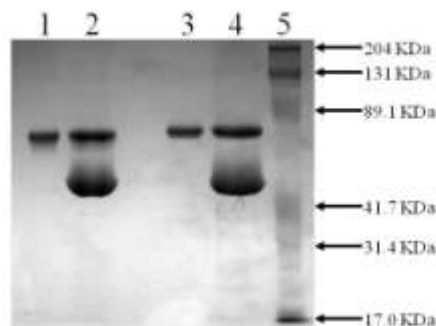


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# Certificate of Analysis



10% SDS-PAGE - GelCode Blue Stain  
1 MTPA-S481A-907 (3 ug) Non-reduced  
2 MTPA-S481A-907 (3 ug) + CPAI (10 ug) Non-reduced  
3 MTPA-S481A-907 (3 ug) Reduced  
4 MTPA-S481A-907 (3 ug) + CPAI (10 ug) Reduced  
5 Prestained Standard

**Product:** Non-enzymatic Mouse tPA – MTPA-S481A

**Date:** 24 September 2007

**Lot:** MTPA-S481A-907

**Molecular Weight:** 70,000 by SDS PAGE

### Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL

### Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 5.67  $\epsilon^{0.1\%} = 1.8$   
Concentration = 3.15 mg/mL

### Considerations:

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

Buffer Composition: 0.4 M HEPES; 0.4 M NaCl; pH 7.4

Other: > 98% pure by SDS PAGE.

> 90% single chain.

### References:

Olson ST, Swanson R, Day D, Verhamme I, Kvassman J, Shore JD. Resolution of Michaelis complex, acylation, and conformational change steps in the reactions of the serpin, plasminogen activator inhibitor 1. *Biochemistry* 2001 Oct 2; 40(39):11742-56

*Duane E. Day*

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