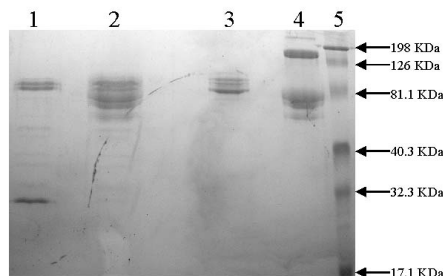


Molecular Innovations, Inc.

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Certificate of Analysis



10% SDS-PAGE - GelCode Blue Stain
1 RPLM-1004 (3 ug) Reduced
2 RPLM-1004 (3 ug) + Antiplasmin (10 ug) Reduced
3 RPLM-1004 (3 ug) Non-reduced
4 RPLM-1004 (3 ug) + Antiplasmin (10 ug) Non-reduced
5 Prestained Standard

Product: Rat Plasmin – RPLM

Date: 19 October, 2004

Lot: RPLM-1004

Molecular Weight: 83,000 by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

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

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = $4.5 \times 10^{-1} = 1.69$

Active Concentration = 2.66 mg/mL

Activity:

100% by definition (eluted from SBTI)

In 1983 Friberger reported that 1 ug of plasmin corresponds to 0.20 nkat S-2251, or to 0.024 CU or to 0.028 CTA-U.

Friberger P et al. Synthetic peptide substrate assays and fibrinolysis and their application on automates.

In: Seminars in Thrombosis and Haemostasis, Vol 9, 281-300 (1983).

Considerations:

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

Buffer Composition: 0.1 M HEPES; 0.1 M NaCl; pH 7.4

Other: The sample was eluted from SBTI agarose with 0.5 M benzamidine.

The sample is by definition 100% active because only functionally active plasmin can be bound to SBTI agarose. Benzamidine was removed by gel filtration using G-25 and the sample was flash-frozen immediately. The plasmin will undergo rapid auto proteolysis in the absence of benzamidine and should be used quickly once thawed. Aliquot to avoid freeze-thaw cycles.

Duane E. Day

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