Molecular Weight: 81,000

Physical Specifications:

Considerations:

Storage Conditions: <= -20°C
Stability > 1 year
Buffer: 20 mM NaP04, pH 7.4, with 10 mg/ml D-Mannitol and 10 mg/ml NaCl
Lyophilized
Purity: >= 95% by SDS-PAGE

Protein Determination:

Athens Research & Technology
PHONE: 706-546-0207
FAX: 706-546-7395
EMAIL: ARTBIO@ATHENSRESEARCH.COM
110 Trans Tech Drive    Athens, GA    30601    USA
www.athensresearch.com

Extinction Coefficient (E) 0.1% at 280 nm
1 cm pathway = 1.71

One unit is defined as the amount of enzyme that hydrolyzes one umole of tosyl-Gly-Pro-Lys-pNA per minute at 25°C, pH 7.8: One Unit=1.25 CU

Activity:

Plasmin, Human Plasma, Lyophilized
ART Catalog No. 16-16-161213-L

SDS-PAGE:

4-12% Bis-Tris NuPAGE gel

1. Plasmin - 5 µg (reduced/ heated)
2. Plasmin - 10 µg (reduced/ heated)
3. Plasmin - 20 µg (reduced/ heated)
4. LMW Standard (BIO-RAD Cat. No. 161-0304)
5. Plasmin - 5 µg (non-reduced/ no heat)
6. Plasmin - 10 µg (non-reduced/ no heat)
7. Plasmin - 20 µg (non-reduced/ no heat)

97.4 kDa
66.2 kDa
45.0 kDa
31.0 kDa
21.5 kDa
14.4 kDa

1 2 3 4
5 6 7
Product: Plasmin, Human Plasma, Lyophilized
Catalog Number: 16-16-161213-L

Description: Lyophilized

Buffer: 20 mM NaPO4, pH 7.4, with 10 mg/ml D-Mannitol and 10 mg/ml NaCl

Purity: >=95% by SDS-PAGE

Molecular Weight: MW 81,000

Protein Determination: Extinction Coefficient (E) 0.1% at 280nm =1.71

Activity: One unit is defined as the amount of enzyme that hydrolyzes one umole of tosyl-Gly-Pro-Lys-pNA per minute at 25 oC, pH 7.8: One Unit=1.25 CU

Storage: <= -20 oC

Stability: > 1 year

Available Packaging: 100 µg per vial

Larger aliquots upon request

Source: Human Plasma

Testing: Shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
Certificate of Origin

Athens Research & Technology products are laboratory reagents and are not to be administered to humans or used for any drug purpose. For research use or for use in further manufacturing.

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Product Name: Plasmin, Human Plasma
Catalog Number: 16-16-161213
Lot Number: Information applies to all lots produced.

Manufacturing Information: The methods and controls used in this facility for manufacturing, processing, packaging and holding of our products are in accordance with ISO9001:2008 Quality Management System.

Manufacturing Site: Athens Research & Technology Inc., Athens, Georgia, USA

Raw Material Information: The product contains no materials directly of animal origin and has not been in contact with products of animal origin in the course of its purification.

Country of Origin (manufacturing): United States
Biological Source Material (COO): United States

Donor Consent: The raw material used in the purification of this product has been obtained from an FDA licensed collection center. Further the donor or the donor's next of kin has given by signature full informed consent for the material to be used in commercial scientific research, including the sharing, transferring, or selling of samples to third parties involved in this research. The raw material was obtained in an ethical manner in full compliance with national legislation, and the donor identity is held as confidential information by the licensed collection center.

ISO9001:2008