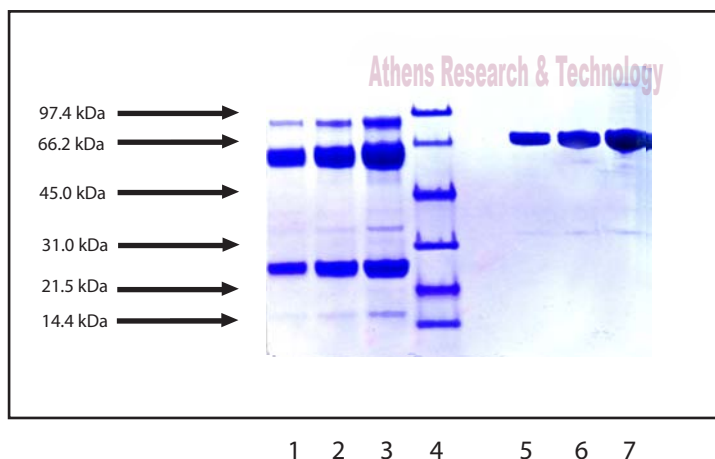


Athens Research & Technology

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

Gel Scan of Representative Lot

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



SDS-PAGE:

4-12% Bis-Tris NuPAGE gel

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

Molecular Weight: 81,000

Protein Determination:

Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 1.71$

Activity:

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

Physical Specifications:

Lyophilized
Purity: $\geq 90\%$ by SDS-PAGE

Considerations:

Storage Conditions: $\leq -20^\circ \text{C}$

Stability > 1 year

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

Virginia B. Patel PhD

Athens Research & Technology

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

Product Datasheet

Product:	Plasmin, Human Plasma, Lyophilized
Catalog Number:	16-16-161213-L
Description:	Lyophilized
Buffer:	20 mM NaPO ₄ , pH 7.4, with 10 mg/ml D-Mannitol and 10 mg/ml NaCl
Purity:	>=90% by SDS-PAGE
Molecular Weight:	MW 81,000
Protein Determination:	Extinction Coefficient (E) _{1cm pathway} ^{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 oer minute at 25° C , pH 7.8: One Unit=1.25 CU
Storage:	<= -20° C
Stability:	> 1 year
Available Packaging:	1 mg 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.

**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.**

Athens Research & Technology

110 Trans Tech Drive Athens, GA 30601 USA
PHONE: 706-546-0207 • FAX: 706-546-7395 • EMAIL: ARTBIO@ATHENSRESEARCH.COM
www.athensresearch.com
ISO9001:2008

Certificate Of Origin

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.

**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.**