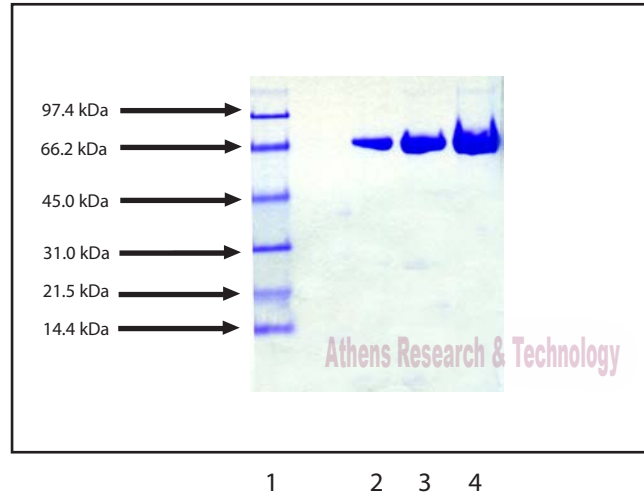


Athens Research & Technology

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

Transferrin, Human Plasma, Tissue Culture Grade
ART Catalog No. 16-16-032001-LEL



SDS-PAGE:

4 - 12% Bis-Tris NuPAGE gel

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

Molecular Weight: 80,000

Protein Determination:

Biuret Method

Iron Content:

<1100 ug per gram

Considerations:

Storage Conditions: Store -20° C

Stability: > 1 year

Buffer: 20 mM Na phosphate, pH 7.4,
150 mM NaCl

Endotoxin Level:

<0.1 Eu per mg by LAL testing,
sterile filtered using 0.2 micron filter

Physical Specifications:

Lyophilized

Purity: > = 95% by SDS-PAGE

Virginia B. Patel PhD

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Product Datasheet

Product:	Transferrin, Human Plasma, Tissue Culture Grade
Catalog Number:	16-16-032001-LEL
Description:	Lyophilized
Buffer:	20 mM Na phosphate, pH 7.4, 150 mM NaCl
Endotoxin Level:	<0.1 Eu per mg by LAL testing, sterile filtered using 0.2 micron filter
Purity:	>=95% by SDS-PAGE
Iron Content:	>= 1100 µg per gram
Molecular Weight:	MW 80,000
Protein Determination:	Biuret Method
Storage:	<= -20°C
Stability:	> 1 year
Available Packaging:	100 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 or further manufacturing use only.**

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ISO9001:2008

Certificate Of Origin

Product Name:	Transferrin, Human Plasma, Low Endotoxin Level
Catalog Number:	16-16-032001-LEL
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.

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For research use or for use in further manufacturing.**