

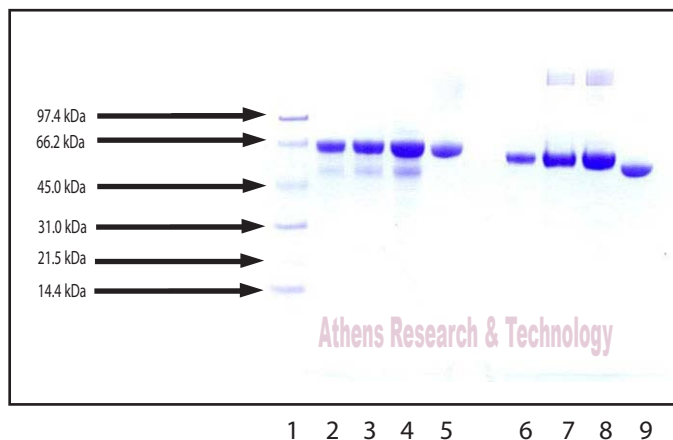
Athens Research & Technology

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

Gel Scan of Representative Lot

Hemopexin, Human Plasma, Low Endotoxin Level

ART Catalog No. 16-16-080513-LEL



SDS-PAGE:

4-12% Bis-Tris NuPAGE gel

1. LMW Standard (BIO-RAD Cat. No. 161-0304)
2. Hemopexin - 5 μ g (Reduced/heat)
3. Hemopexin - 10 μ g (Reduced/heat)
4. Hemopexin - 20 μ g (Reduced/heat)
5. Albumin Control (Reduced/heat)
6. Hemopexin - 5 μ g (Non-reduced/no heat)
7. Hemopexin - 10 μ g (Non-reduced/no heat)
8. Hemopexin - 20 μ g (Non-reduced/no heat)
9. Albumin Control (Non-reduced/no heat)

Molecular Weight:

57,000

Protein Determination:

Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 1.97$

Considerations:

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

Stability > 1 year

Buffer: 11.9 mM phosphate, 137 mM NaCl, 2.7 mM KCl, pH 7.4

Endotoxin Level: <1.0 EU/mg by Fluorogenic assay, Lonza, 50-658U

Physical Specifications:

Lyophilized

Purity: $\geq 95\%$ by SDS-PAGE

Virginia B. Patel PhD

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Product Datasheet

Product:	Hemopexin, Human Plasma, Low Endotoxin Level
Catalog Number:	16-16-080513-LEL
Description:	Lyophilized
Buffer:	11.9 mM phosphate, 137 mM NaCl, 2.7 mM KCl, pH 7.4
Purity:	>=95% by SDS-PAGE
Molecular Weight:	MW 57,000
Protein Determination:	Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 1.97$
Endotoxin Level:	<1.0 EU/mg by fluorogenic assay, Lonza, 50-658U
Storage:	<= -20°C
Stability:	> 1 year
Available Packaging:	500 µg per vial - 1 mg per vial
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 only.

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ISO9001:2008

Certificate Of Origin

Product Name:	Hemopexin, Low Endotoxin Level, Human Plasma
Catalog Number:	16-16-080513-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:	Purification of this product may utilize affinity chromatography prepared using reagents/antibodies derived from animals. Otherwise, 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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