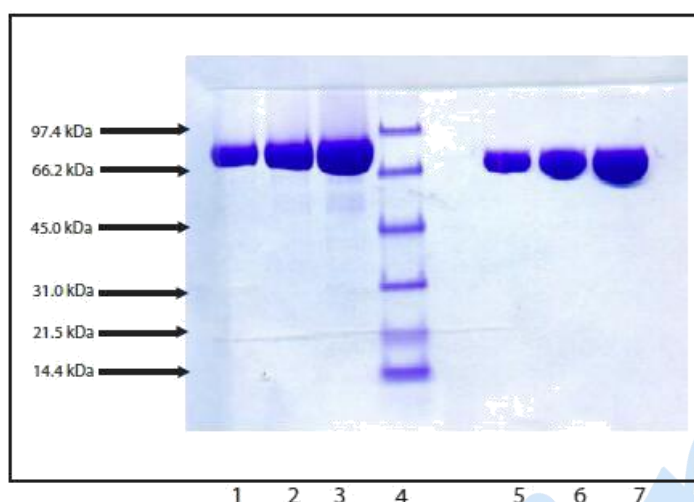


Apolactoferrin, Human Milk

np001140



SDS-PAGE:

4-12% Bis-Tris NuPAGE gel

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

Molecular Weight: 82,400

Protein Determination:

Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 1.46$

Physical Specifications: Lyophilized

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

Considerations:

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

Stability > 1 year

Buer: 50 mM Tris, pH 8.0, 0.2 M NaCl

Product Datasheet

Product: Apolactoferrin, Human Milk

Catalog Number: np001140

Description: Lyophilized

Buffer: 50 mM Tris, 0.2 M NaCl, pH 8.0

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

Molecular Weight: MW 82,400

Protein Determination:

Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 1.46$

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

Stability: > 1 Year

Available Packaging: 5mg per vial

Larger aliquots upon request

Source: Human Milk

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

Product Name: Apolactoferrin, Human Milk

Catalog Number: np001140

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 ISO9001:2015 Quality Management System.

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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