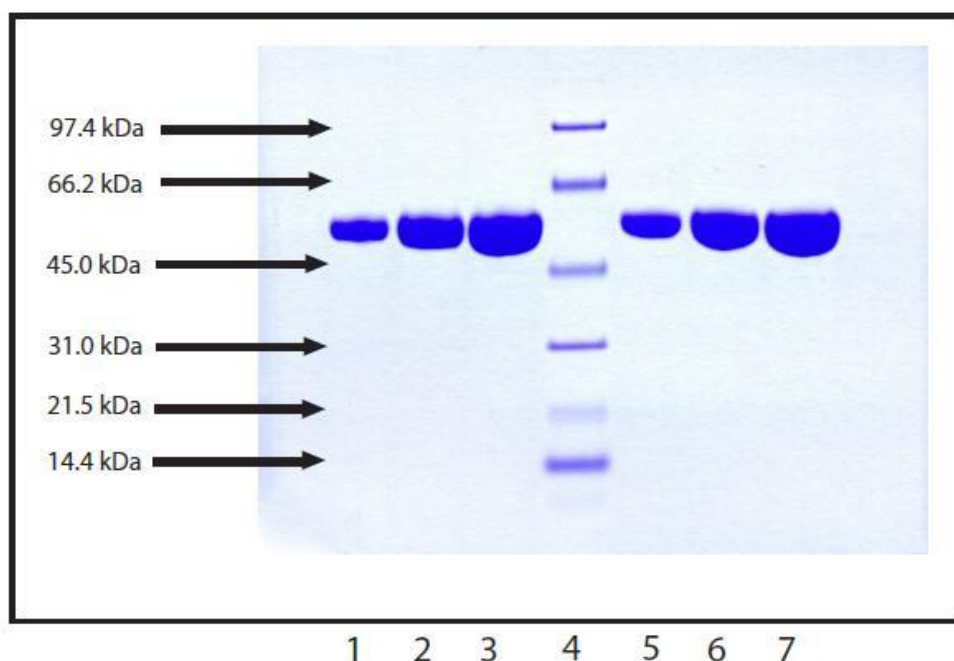


Alpha 1 Antitrypsin, Human Plasma

np001161



SDS-PAGE:

4 - 12% Bis-Tris NuPAGE gel

1. A1P1 - 5 µg (reduced / heated)
2. A1P1 - 10 µg (reduced / heated)
3. A1P1 - 20 µg (reduced / heated)
4. LMW Standard (BIO-RAD Cat. No. np001161)
5. A1P1 - 5 µg (non-reduced / no heat)
6. A1P1 - 10 µg (non-reduced / no heat)
7. A1P1 - 20 µg (non-reduced / no heat)

Molecular Weight: 52,000 Da

Protein Determination:

Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 0.433$

Physical Specifications: Lyophilized

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

Considerations:

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

Stability > 1 year

Buer: 30 mM Na Phosphate, pH 6.5 with 300 mM NaCl

Activity:

When tested with active-site titrated porcine pancreatic trypsin using Na-Benzoyl-L-Arginine-para-Nitroanilide Hydrochloride (L-BAPNA) as substrate, it is 75-100% inhibitory.

Product Datasheet

Product: Alpha 1 Antitrypsin, Human Plasma

Catalog Number: np001161

Description: Lyophilized

Buer: 30 mM Na Phosphate, pH 6.5 with 300 mM NaCl

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

Molecular Weight: 52,000 Da

Protein Determination:

Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 0.433$

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

Stability: > 1 Year

Available Packaging: 1mg 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.