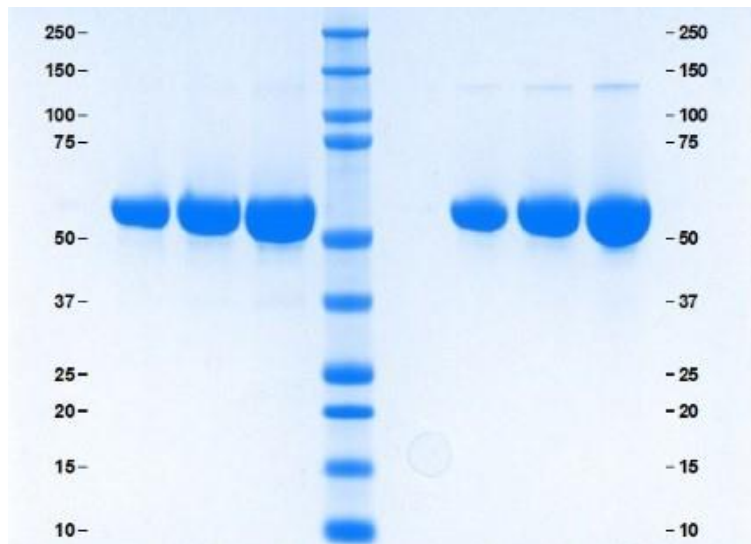


Gel Scan of Representative Lot Alpha 1 Antitrypsin

ART Catalog No. 16-16-011609



SDS-PAGE

4-12% Bis-Tris gel

1. Alpha 1 Antitrypsin- 5 µg (Heated/Reduced)
2. Alpha 1 Antitrypsin- 10 µg (Heated/Reduced)
3. Alpha 1 Antitrypsin- 20 µg (Heated/Reduced)
4. Standard
5. Blank
6. Alpha 1 Antitrypsin- 5 µg (Not Heated/Non-Reduced)
7. Alpha 1 Antitrypsin- 10 µg (Not Heated/Non-Reduced)
8. Alpha 1 Antitrypsin- 20 µg (Not Heated/Non-Reduced)

Protein Determination:

Extinction Coefficient (E) = 0.433 (0.1% at 280 nm, 1cm pathway)

Molecular Weight:

52,000 Da

Physical Specifications:

Form: Lyophilized

Purity: ≥ 95% by SDS-Page

Considerations:

Storage Conditions: ≤ -20 °C

Stability: > 1 year

Buffer:

30 mM sodium phosphate, pH 6.5 with 300 mM NaCl

Your Distributor

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Tel.: +49 40 4320 8448 - 11
support@active-bioscience.de

Active Bioscience GmbH
Oberaltenallee 8
D-22081 Hamburg
HRB 98170 Amtsgericht Hamburg

Product Datasheet

Product:	Alpha 1 Antitrypsin
Catalog #:	16-16-011609
Form:	Lyophilized
Available Packaging:	1, 5, 10, and 25 mg. Larger aliquots are available upon request.
Buffer:	Lyophilized from 30 mM sodium phosphate, pH 6.5, with 300 mM NaCl
Purity:	≥ 95% by SDS-PAGE
Molecular Weight:	52,000 Da
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.
Protein Determination:	Extinction Coefficient (E) = 0.433 (0.1% at 280 nm, 1 cm pathway)
Storage/Handling:	≤ -20 °C
Stability:	> 1 year
Source:	Human Plasma
Testing:	Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Each unit of plasma is tested by the supplier and found non-reactive for HIV-1/2, Hepatitis B surface antigen (HBsAg), Hepatitis C (HCV), Hepatitis A (HAV), and syphilis (RPR). Documentation of testing is maintained and is available upon request.

Product Link: <https://www.athensresearch.com/products/all/alpha-1-antitrypsin-human-plasma>

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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