

## Alpha-1-Antitrypsin Active Protein | A1AT active protein

Alpha-1-Antitrypsin (A1AT), Human Serum

CATALOG #  
**AAA11467**

### PRODUCT SYNONYMS

Alpha-1-Antitrypsin; Alpha-1-Antitrypsin (A1AT); Human Serum; Alpha-1 protease inhibitor; A1AT; Alpha-1-antiproteinase; Alpha-1 Antitrypsin (A1AT); Human Serum - >=95% (SDS-PAGE); A1AT active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | ≥ 95% (SDS-PAGE)                                                                                                                                                          |
| Form/Format             | Powder lyophilized from 0.03 M sodium phosphate, pH 6.5 with 0.3 M sodium chloride.                                                                                       |
| Sequence Length         | 418                                                                                                                                                                       |
| Source                  | Human Plasma                                                                                                                                                              |
| CAS Number              | 9041-92-3                                                                                                                                                                 |
| Protein                 | 1.0 mg/vial (E 1 mg/mL <sub>280 nm</sub> =0.433)                                                                                                                          |
| Activity                | Confirmed (active site titration of trypsin).                                                                                                                             |
| Reconstitution          | Centrifuge briefly prior to opening to ensure full recovery. Reconstitute at 2-4 mg protein/mL deionized water. Prepare further dilutions with the lyophilization buffer. |
| Handling                | Handle as a potentially hazardous substance.                                                                                                                              |
| Preparation and Storage | Store at -20°C. Protect from moisture.                                                                                                                                    |

### ADDITIONAL INFORMATION

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|---------------------------------------------------|----------------------------------------------------------------------------------------------|
| Product Categories/Family for A1AT active protein | Proteins; Antigens; Enzymes; Standards/controls; Native Proteins; Alpha-1 Antitrypsin (a1at) |
|---------------------------------------------------|----------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                  | 151302818                                                                                      |
| UniProt Accession #        | P01009; Q0PVP5; Q13672; Q53XB8; Q5U0M1; Q7M4R2; Q86U18; Q86U19; Q96BF9; Q96ES1; A6PX14; B2RDQ8 |
| Molecular Weight           | ~54,000                                                                                        |
| NCBI Official Full Name    | alpha-1-antitrypsin                                                                            |
| UniProt Protein Name       | Alpha-1-antitrypsin                                                                            |
| UniProt Gene Name          | SERPINA1                                                                                       |
| UniProt Synonym Gene Names | AAT; PI; SPAAT                                                                                 |
| UniProt Entry Name         | A1AT_HUMAN                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/a1at-active-protein/alpha-1-antitrypsin/11467>