

## Alpha-1-Antitrypsin (a1AT) Recombinant Protein | a1AT recombinant protein

Recombinant Alpha-1-Antitrypsin (a1AT)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA161979</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Alpha-1-Antitrypsin (a1AT); Recombinant Alpha-1-Antitrypsin (a1AT); Alpha-1-Antitrypsin; a1AT recombinant protein (prokaryotic); Chicken; SERPINA1; SPAAT; A1-AT; PI; Serpin Peptidase Inhibitor; Clade A(Alpha-1 Antiproteinase/AntiTrypsin)Member 1; Alpha-1 protease inhibitor; Short peptide from AAT; Serpin A14; a1AT recombinant protein

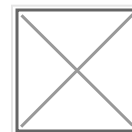
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                              |
|------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                       |
| Purity/Purification                                  | Greater than 90% by SDS-PAGE                                                                 |
| Form/Format                                          | Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| Sequence                                             | Phe56~Pro3 98                                                                                |
| Applicable Applications for a1AT recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                     |
| Species                                              | Chicken                                                                                      |
| Expression System                                    | Prokaryotic expression                                                                       |
| Tag                                                  | Two N-terminal Tags, His-tag and SUMO-tag                                                    |
| Endotoxin Level                                      | <1.0EU per 1ug (determined by the LAL method)                                                |
| Isoelectric Point                                    | 6.4                                                                                          |
| Subcellular Location                                 | Secreted                                                                                     |
| Research Area                                        | Enzyme & Kinase, Infection immunity, Hepatology                                              |
| Preparation and Storage                              | Store at 2-8 degree C for one month, -80 degree C for 12 months                              |

### IMAGES



SDS-PAGE  
Figure. SDS-PAGE



Sequence  
Figure. Gene Sequencing (extract

### ADDITIONAL INFORMATION

|                                                        |                      |
|--------------------------------------------------------|----------------------|
| Product Categories/Family for a1AT recombinant protein | Prokaryotic proteins |
|--------------------------------------------------------|----------------------|

### NCBI AND UNIPROT INFORMATION

|                     |            |
|---------------------|------------|
| UniProt Accession # | A0A1L1RRQ8 |
|---------------------|------------|

**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/alpha-1-antitrypsin-a1at-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/161979>