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BA672 Human Alpha-1-antitrypsin - Purified

Alternate names:	AAT, Alpha-1 protease inhibitor, Alpha-1-antiproteinase, SERPINA1
Quantity:	1 mg
Concentration:	4.65 mg/ml (OD280nm, E0.1% = 0.433) (prior to lyophilization)
Background:	Alpha 1 Antitrypsin is a plasma protein synthesised in the liver. It consists of a single polypeptide chain and has a molecular weight of 52 kDa. A serine protease inhibitor, its primary function is the protection of lung tissue from the action of neutrophil elastase.
Uniprot ID:	<u>P01009</u>
NCBI:	<u>9606</u>
GenelD:	<u>5265</u>
Species:	Human
Source:	Plasma
Format:	State: Lyophilized purified fraction. Purity: >95% by SDS-PAGE Buffer System: 30mM Sodium Phosphate, pH 6.5 containing 300mM Sodium Chloride without preservatives. Reconstitution: Restore with 434.0 μl distilled water.
Applications:	Specific methodologies have not been tested using this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Human Alpha 1-Antitrypsin. An acute phase plasma protein found at 290 mg per 100 ml that functions as a protease inhibitor
Storage:	Upon receipt, Store at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	All human source materials have tested negative for HIV 1 and HIV 2 antibodies and non-reactive for anti-HCV, anti-HBc and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.