

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:	P01009
NCBI:	9606
GeneID:	5265
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.