

Product Data Sheet

Recombinant Human alpha-1-Antitrypsin Protein

Catalog #	Source	Reactivity	Applications
CST2273	HEK293	H	
Description	Recombinant Human alpha-1-Antitrypsin Protein is produced by HEK293 expression system and the target gene encoding Glu25-Lys418 is expressed with C-terminus His tag.		
Form	Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.		
Gene Symbol	SERPINA1		
Alternative Names	AAT; PI; Alpha-1-antitrypsin; Alpha-1 protease inhibitor; Alpha-1-antiproteinase; Serpin A1		
Entrez Gene	5265		
SwissProt	P01009		
Purity			
Chemical Structure	EDPQGDAQK TDTSHHDQDH PTFNKITPNL AEFAFSLYRQ LAHQSNSTNI FFSPVSIATA FAMLSLGTKA DTHDEILEGL NFNLTEIPEA QIHEGFQELL RTLNQPDSQL QLTTGNGLFL SEGLKLVDKF LEDVKKLYHS EAFTVNFGDT EEAKKQINDY VEKGTQGKIV DLVKELDRDT VFALVNYIFF KGKWERPFV KDTEEDFHV DQVTTVKVPM MKRLGMFNIQ HC		
Quality Control			
Directions for Use	Always centrifuge tubes before opening. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

COHESION BIOSCIENCES LIMITED

WEB
www.cohesionbio.com

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order@cohesionbio.com

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