

Product datasheet for BA045

Alpha-1-antitrypsin Human Protein

Product data:

Product Type:	Native Proteins
Description:	Alpha-1-antitrypsin human protein, 2 mg
Species:	Human
Protein Source:	Serum
Concentration:	lot specific
Purity:	>95% >96% (SDS-PAGE) Identity confirmed by radial immunodiffusion, SDS-PAGE (single band at 54 kDa) and Cellulose acetate electrophoresis.
Buffer:	State: Liquid
Preparation:	Liquid
Applications:	ELISA. Can be used for all immunological/laboratory methods requiring highly purified antigens.
Protein Description:	Purified human alpha-1 antitrypsin
Storage:	Store at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000286
Locus ID:	5265
Cytogenetics:	14q32.13
Synonyms:	A1A; A1AT; AAT; alpha1AT; nNIF; PI; PI1; PRO2275
Summary:	The protein encoded by this gene is a serine protease inhibitor belonging to the serpin superfamily whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. This protein is produced in the liver, the bone marrow, by lymphocytic and monocytic cells in lymphoid tissue, and by the Paneth cells of the gut. Defects in this gene are associated with chronic obstructive pulmonary disease, emphysema, and chronic liver disease. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2020]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways:	Complement and coagulation cascades



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