

Alpha-2 Antiplasmin Active Protein | A2AP active protein

Alpha-2 Antiplasmin, Human Plasma

CATALOG #
AAA44856

PRODUCT SYNONYMS

Alpha-2 Antiplasmin; Human Plasma; Alpha-2-AP; Alpha-2-plasmin inhibitor; alpha 2-antiplasmin; Plasmin Inhibitor; Alpha-2 Antiplasmin (A2AP).; A2AP active protein

PRODUCT SPECIFICATIONS

Purity/Purification	>= 95% (SDS-PAGE)
Form/Format	Powder, lyophilized form 20mM Bis-Tris, 200 mM sodium chloride, pH 6.4
Sequence Length	491
Source	Human Plasma
Specific Activity	17 U/mg protein.
Unit definition	One alpha-2-antiplasmin unit inhibits one unit of plasmin (catalyzing the hydrolysis of one micromole of tosyl-Gly-Pro-Lys-pNA per minute at pH 8.0 and 25°C.)
Handling	Handle as a potentially hazardous substance.
Protein	0.1mg/vial ($E_{280nm}^{0.1\%}=0.70$)
Reconstitution	Centrifuge briefly to ensure complete recovery. Reconstitute with high purity water to a concentration of 1mg protein/mM. Dilute with 20mM Bis-Tris, 200mM sodium chloride, pH 6.4.
Preparation and Storage	Storage: At -20°C. Storage Note: Protect from moisture. Shipping note: Blue ice

ADDITIONAL INFORMATION

Related Product Information for A2AP active protein	AAA Biotech is a leading supplier of human plasma Alpha-2 Antiplasmin for research and manufacturing. Custom preparations, technical support, bulk quantities and aliquoting available. Alpha-2 Antiplasmin (A2AP) is a serine protease inhibitor (serpin) responsible for inactivating plasmin, an important enzyme that participates in fibrinolysis and degradation of various other proteins. In liver cirrhosis, there is decreased production of alpha-2 antiplasmin, leading to lowered inactivation of plasmin and an increase in fibrinolysis. This is associated with an increase risk of bleeding in liver disease.
Product Categories/Family for A2AP active protein	Proteins ; Antigens ; Enzymes ; Standards/controls ; Native Proteins ; Alpha-2 Antiplasmin (a2ap)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115583663
NCBI GeneID	5345
NCBI Accession #	NP_000925.2

NCBI GenBank Nucleotide #	NM_000934.3
Molecular Weight	70kDa
NCBI Official Full Name	alpha-2-antiplasmin isoform a
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2
NCBI Official Symbol	SERPINF2
NCBI Official Synonym Symbols	AAP; API; PLI; A2AP; ALPHA-2-PI
NCBI Protein Information	alpha-2-antiplasmin; serpin F2; alpha-2-AP; alpha-2-plasmin inhibitor; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2
UniProt Protein Name	Alpha-2-antiplasmin
UniProt Gene Name	SERPINF2
UniProt Synonym Gene Names	AAP; PLI; Alpha-2-AP; Alpha-2-PI
UniProt Entry Name	A2AP_HUMAN

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://www.aaabiotech.com/a2ap-active-protein/alpha-2-antiplasmin/44856>