

SERPINF2

Native Human Alpha-2-Antiplasmin

Catalog No.	CRA158B	Quantity:	1 mg
	CRA158C		10 mg
Alternate Names:	Serpine F2, Alpha-2-plasmin inhibitor, Alpha-2-PI, Alpha-2-AP		
Description:	Alpha-2-Antiplasmin (A2AP/SERPINF2) is a member of the serpin family of serine protease inhibitors and is a major inhibitor of Plasmin. Consequently, A2AP has a major role in regulating the Coagulation Cascade. Mutations in A2AP result in Alpha-2-Antiplasmin Deficiency, a rare coagulation disorder characterized by unrestrained fibrinolytic activity and severe hemorrhagic diathesis. Individuals with this condition may receive therapeutic A2AP prior to surgery to prevent postoperative hemorrhaging.		
UniProt ID:	P08697		
Gene ID:	5345		
Source:	Human Plasma		
Molecular Weight:	70.0 kDa		
Formulation:	Lyophilized from 0.02 M Bis-Tris, 0.2 M NaCl, pH 6.4		
Purity:	>95% by SDS-PAGE		
Extinction Coefficient:	$E^{0.1\%}_{280\text{nm}} = 0.73$		
Biological Activity:	>5 U/mg, defined as 1 unit will completely inhibit the activity of plasmin to hydrolyze one micromole of Tosyl-Gly-Pro-Lys-p-nitroanilide in one minute at 25 C and pH 8.0		
Specific Activity:	19.9 IU/mg		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with sterile distilled water to original volume (0.559 mL).		
Storage & Stability:	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	Purified from Human Plasma that was tested and found negative for HIV-1/2, HIV-1 antigen(s), HBsAg, STS, antiHCV, anti-HBcore and anti-HTLV I & II.		



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