

A2M

Native Human Alpha-2-Macroglobulin

Catalog No.	CRA115B CRA115C	Quantity:	1.0 mg 10 mg
Alternate Names:	Alpha-2-macroglobulin, Alpha-2-M, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5		
Description:	A major serum protein found at concentrations of 240 mg per 100 ml in men and 290 mg per 100 ml in women. Multifunctional, it promotes growth of mammalian cells in culture, stimulates the regeneration of lymphocytes in irradiated mice, possesses a transport function for zinc and is a protease inhibitor that controls the clotting and fibrinolytic system. Clinically levels are increased in liver cirrhosis, nephrotic syndrome, diabetes, and severe burn cases.		
UniProt ID:	P01023		
Gene ID:	2		
Source:	Human Plasma		
Molecular Weight:	725 kDa (180 MW subunits) homotetramer		
Formulation:	Lyophilized from 30 mM Sodium Phosphate, pH 7.0 containing glycine as a stabilizer		
Purity:	>95% pure by SDS-PAGE.		
Volume:	Lot specific volume, prior to lyophilization		
Extinction Coefficient:	$E_{280nm}^{0.1\%} = 0.81$		
Reconstitution:	Centrifuge vial prior to opening. Prepare the original volume with deionized water.		
Storage & Stability:	Stable at 2-8°C for shipping. Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store 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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