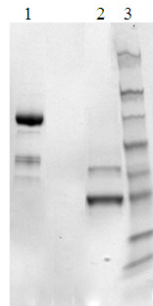


F12

Native Human Coagulation Factor Alpha-XIIA

Catalog No.	CSI20177A CSI20177B	Quantity:	0.5 mg 1.0 mg
Alternate Names:	alpha-FXIIa		
Description:	Human Factor alpha-XIIa is a serine protease responsible for the activation of Factor XI to XIa in the contact activation system. Human Factor XII and prekallikrein are thought to be involved in a reciprocal activation mechanism in which Factor XIIa activates prekallikrein to kallikrein, which in turn converts Factor XII to XIIa. Factor XIIa activates Factor XI to XIa thereby triggering the Contact Factor cascade. Human Factor alpha-XIIa is activated from homogeneous Human Factor XII by an autoactivation process with Dextran Sulfate followed by repurification to isolate Factor alpha-XIIa and Factor beta-XIIa.		
UniProt ID:	P00748		
Gene ID:	2161		
Source:	Human plasma		
Molecular Weight:	80 kDa		
Formulation:	4 mM Sodium Acetate, 0.15 M NaCl, pH 5.3		
Purity:	>95% by SDS-PAGE analysis, fully activated		
Concentration:	≥ 1.0 mg/ml, lot specific		
Extinction Coefficient:	$E^{0.1\%}_{280nm} = 1.41$		
Biological Activity:	Determined by Clotting Assay		
Storage & Stability:	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:	Prepared from plasma found negative by FDA accepted methods for Anti-HIV1/2, Anti-HTLV I & II, HBsAg, Anti-HCV, Syphilis, HBC Ab, HIV-1 p24 Ag or HIV-1 RNA, HCV RNA and HBV RNA. Donors are screened for CJD (Creutzfeldt-Jakob Disease).		



1. Human Factor XIIa (5 ug) NR
2. Human Factor XIIa (5 ug) R
3. Molecular Weight Markers

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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