

F11

Human Coagulation Factor XIa

Catalog No.	CSI20175A CSI20175B	Quantity:	100 µg 1.0 mg
Alternate Names:	FXI, F11		
Description:	Human Factor XIa is derived by activation of Factor XI purified from human plasma.		
Concentration:	2.0 mg/ml		
Gene ID:	2160		
Source:	Human plasma		
Molecular Weight:	160 kDa (non-reduced)		
Formulation:	Frozen liquid containing 4 mM sodium acetate buffer + 0.15 M NaCl, pH 5.3		
Purity:	>95% by SDS-PAGE analysis		
Endotoxin Level:	< 0.1 ng/µg of protein		
Storage & Stability:	Store at -80°C. Stable for 3 years from delivery. Avoid repeated freeze-thaw cycles		
Background:	<p>Human Factor XIa is prepared from Human Factor XI using Human Factor XIIa. Factor XIIa is removed using a corn trypsin inhibitor column. Factor XI is activated to Factor XIa by Factor XIIa and High Molecular Weight Kininogen in the contact pathway of the coagulation cascade. FXI undergoes proteolytic cleavage in which the 80,000 chain reportedly is cleaved into a heavy and light chain with molecular weights of about 48,000 and 33,000. Factor XIa is responsible for the activation of Factor IX to Factor IXa. Unlike other examples of activation of Vitamin K-dependent blood-clotting proteins, Factor XIa proteolysis of Factor IX does not require membrane surfaces. Complete activation and >95% purity is observed by SDS-PAGE. 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).</p>		

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