

**F11**

## Native Human Coagulation Factor Xla

<b>Catalog No.</b>	CSI20175A CSI20175B	<b>Quantity:</b>	100 µg 1.0 mg
<b>Alternate Names:</b>	FXI, F11		
<b>Description:</b>	Human Factor Xla 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 Xla by Factor XIIa and High Molecular Weight Kininogen in the contact pathway of the coagulation cascade. FXI undergoes proteolytic cleavage in which the 80 kD chain reportedly is cleaved to a heavy and light chain with molecular weights of about 48 kD and 33 kD. Factor Xla is responsible for the activation of Factor IX to Factor IXa. Unlike other examples of activation of Vitamin K-dependent blood-clotting proteins, Factor Xla proteolysis of Factor IX does not require membrane surfaces		
<b>UniProt ID:</b>	P03951		
<b>Gene ID:</b>	2160		
<b>Source:</b>	Human plasma		
<b>Molecular Weight:</b>	160 kDa non-reduced		
<b>Formulation:</b>	4 mM sodium acetate, 150 mM NaCl, pH 5.3		
<b>Purity:</b>	>95% by SDS-PAGE analysis, fully activated		
<b>Concentration:</b>	≥ 1.0 mg/ml, lot specific		
<b>Extinction Coefficient:</b>	$E^{0.1\%}_{280\text{nm}} = 1.34$		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Certification:</b>	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).		

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