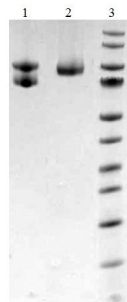


F13A1, F13B

Native Human Coagulation Factor XIII

Catalog No.	CSI20179A CSI20179B	Quantity:	250 ug 1.0 mg
Alternate Names:	Coagulation factor XIII A chain, F13A, F13A1, and Coagulation factor XIII B chain, FXIIIB, F13B		
Description:	Human Factor XIII is a tetramer composed of two pairs of chains held together by noncovalent bonds. After activation of the zymogen via Thrombin to its active enzyme form, activated Factor XIIIa is responsible for catalyzing the formation of covalent bridges between fibrin units to increase the elasticity of the clot network. The resulting cross-linked fibrin is very insoluble and resistant to lysis.		
UniProt ID:	P00488 A chain P05160 B chain		
Gene ID:	2162 A chain 2165 B chain		
Source:	Human plasma		
Molecular Weight:	320 kDa		
Formulation:	50 mM Tris-HCl, 0.1 M NaCl, 1 mM EDTA, 10 U/ml Aprotinin, 20% Glycerol , pH 7.5		
Purity:	>95% by SDS-PAGE analysis		
Concentration:	≥ 1.0 mg/ml, lot specific		
Extinction Coefficient:	$E^{0.1\%}_{280nm} = 1.38$		
Specific Activity:	> 2300 Loewy units/mg (one plasma equivalent unit (PEU) is equal to approximately 108 Loewy units)		
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).		



4-12% SDS-PAGE - GelCode Blue Stain
 1 Human Factor XIII (3 ug) NR
 2 Human Factor XIII (3 ug) R
 3 Molecular Weight Markers



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