

F13A1

Human Coagulation Factor XIIIa

Catalog No.	CSI20180A CSI20180B	Quantity:	250 µg 1.0 mg
Alternate Names:	Coagulation factor XIIIa, Protein-glutamine gamma-glutamyltransferase A chain, Transglutaminase A chain		
Description:	Human Factor XIIIa is activated from Factor XIII by cleavage with human alpha thrombin. The thrombin is subsequently removed via chromatography. 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. This product is our IVD grade. Please inquire about our High Purity product.		
Concentration:	≥ 2.0 mg/ml		
Gene ID:	2162		
UniProt ID:	P00488		
Source:	Human plasma		
Molecular Weight:	312 kDa		
Formulation:	20 mM HEPES, 150 mM NaCl, 0.5 mM EDTA, 0.1% Mannitol (w/v), pH 7.4		
Extinction Coefficient:	$E^{0.1\%}_{280\text{ nm}} = 1.38$		
Specific Activity:	≥ 20 PEU/mg, 1 PEU (plasma equivalent unit) = Factor XIIIa activity in 1 ml of normal human plasma.		
Storage & Stability:	Store at -80°C. Upon initial thaw, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	Non-Infectious Disease Certification: Non-reactive for HIV-1/HCV/HBV by NAT; HBsAg, HCV Ab, HIV-1&2 Ab and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 1999.		

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