

F12

Human Coagulation Factor XII

Catalog No.	CSI20176A	Quantity:	0.5 mg
	CSI20176B		1.0 mg

Alternate Names: HAF, HAE3, HAEX

Description: Human Factor XII is a single chain glycoprotein purified from fresh plasma.

Concentration: 2.0 mg/ml

Gene ID: 2161

Source: Human plasma

Molecular Weight: 80 kDa

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: Human Factor XII is a single chain glycoprotein prepared from fresh human plasma by ion exchange chromatography. Factor XII is converted, principally by the action of kallikrein, into an active serine protease (Factor alpha-XIIa) that functions in the in vivo initiation of blood coagulation, fibrinolysis, and kinin formation. Purity of Factor XII is >95% by SDS-PAGE and activity is determined via clotting assay. 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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