

Factor XIIa, Human Plasma

CATALOG #:	7691-250	250 µg
ALTERNATE NAMES:	Hageman factor	
SOURCE:	Human Plasma. The Human Factor XIIa was activated from homogeneous Human Factor XII using Dextran Sulfate. This Dextran Sulfate was removed after activation. Complete activation was observed on SDS-PAGE. Purified from Human plasma that was tested and 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).	
MOL. WEIGHT:	80.00 kDa	
PURITY:	≥ 95% by SDS-PAGE; Shows no reduction upon incubation with 2-mercaptoethanol.	
EXTINCTION COEFFICIENT (1%):	14.1	
FORM:	Liquid	
FORMULATION:	In 4 mM Sodium Acetate-HCl, 0.15 M NaCl, pH 5.3.	
ACTIVITY:	Lot dependent.	
STORAGE CONDITIONS:	Store at -60°C or lower. Avoid repeated freezing and thawing cycles.	
DESCRIPTION:	Human Factor α -XIIa is a serine protease responsible for the activation of Factor XI to XIa in the contact activation system. Human Factor XII and prekallikrein are thought to be involved in a reciprocal activation mechanism in which Factor XIIa activates prekallikrein to kallikrein, which in turn converts Factor XII to XIIa. Factor XIIa activates Factor XI to XIa thereby triggering the Contact Factor cascade.	

RELATED PRODUCTS:

- Factor Va, Human Plasma (**Cat. No. 4098-10, 50**)
- Factor VII, Human Plasma (**Cat. No. 7686-100**)
- Factor VIIa, Human Plasma (**Cat. No. 7687-100**)
- Factor X, Human Plasma (**Cat. No. 7688-400**)
- Factor Xa, Human Plasma (**Cat. No. 7689-400**)
- Factor XII, Human Plasma (**Cat. No. 7690-250**)

FOR RESEARCH USE ONLY! Not to be used in humans.