

Factor VIIa, Human Plasma

CATALOG #:	7687-50	50 µg
ALTERNATE NAMES:	Proconvertin, Serum prothrombin conversion accelerator.	
SOURCE:	Human Plasma. The Human Factor VIIa was prepared from homogeneous Human Factor VII using Human Factor XIIa. The Factor XIIa was removed using a Corn Trypsin Inhibitor column. The Factor XIIa is removed using affinity chromatography. 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:	50 kDa	
PURITY:	≥ 95% by SDS-PAGE; Shows no reduction upon incubation with 2-mercaptoethanol.	
EXTINCTION COEFFICIENT (1%):	13.9	
FORM:	Liquid	
FORMULATION:	In 20 mM Tris-HCl, 0.1 M NaCl pH 7.4	
ACTIVITY:	Lot dependent.	
STORAGE CONDITIONS:	Store at -60°C or lower. Avoid repeated freezing and thawing cycles.	

DESCRIPTION: Human factor VII is a single chain plasma glycoprotein, and is a zymogen in its native form. Proteolytic activation of factor VII, yields the enzyme factor VIIa, which when bound to the integral membrane protein tissue factor, forms an enzyme complex that proteolytically converts factor X to factor Xa. This enzyme complex is best known as the extrinsic factor Xase (pronounced ten-ase) complex, since by virtue of its tissue factor component, it is composed of protein normally extrinsic to the plasma environment. The

thrombin, factor IXa, factor Xa, factor XIa, and factor XIIa. Rapid activation also takes place when factor VII is combined with tissue factor in the presence of calcium

RELATED PRODUCTS:

- Factor Va, Human Plasma (**Cat. No. 4098-10, 50**)
- Factor VII, Human Plasma (**Cat. No. 7686-50**)
- Factor X, Human Plasma (**Cat. No. 7688-400**)
- Factor Xa, Human Plasma (**Cat. No. 7689-400**)
- Factor XII, Human Plasma (**Cat. No. 7690-250**)
- Factor XIIa, Human Plasma (**Cat. No. 7691-250**)

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

