

Factor VII, Human Plasma

CATALOG #:	7686-50	50 µg
ALTERNATE NAMES:	Proconverтин, Serum prothrombin conversion accelerator.	
SOURCE:	Human Plasma. 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, 1 mM Benzamidine, 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, vitamin K-dependent, plasma glycoprotein which is synthesized in the liver. Prior to secretion into the blood, post translational modification by a vitamin K-dependent carboxylase produces ten-carboxyglutamic acid (gla) residues located in the NH ₂ -terminal portion of the molecule, which facilitate cell membrane binding. Factor VII is proteolytically activated to the serine protease, factor VIIa, during coagulation. Factor VII can be activated by thrombin, factor IXa, factor Xa or factor XIa.	

RELATED PRODUCTS:

- Factor Va, Human Plasma (**Cat. No. 4098-10, 50**)
- Factor VIIa, Human Plasma (**Cat. No. 7687-50**)
- 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.