

**F7**

## Native Human Factor VIIa

<b>Catalog No.</b>	CRF142B CRF142C	<b>Quantity:</b>	100 µg 1.0 mg
<b>Alternate Names:</b>	Coagulation Factor VII, F7		
<b>Description:</b>	Prepared from purified Human Factor VII using Human Factor XIIa. The Factor XIIa is removed using affinity chromatography. Purity is determined by SDS-PAGE. Human Factor VIIa reduces to 29,500 and 23,500 with the addition of 2-mercaptoethanol. Activity is determined via clotting assay. Factor VIIa, in the presence of calcium ions and Tissue factor, activates Factors IX and X to their enzymatically active forms, Factor IXa and Xa.		
<b>UniProt ID:</b>	P08709		
<b>Gene ID:</b>	2155		
<b>Source:</b>	Human plasma		
<b>Molecular Weight:</b>	50 kDa		
<b>Formulation:</b>	Frozen liquid in 0.02 M Tris-HCl, 0.1 M NaCl, pH 7.4		
<b>Purity:</b>	>95% by SDS-PAGE		
<b>Concentration:</b>	> 1 mg/ml, lot specific		
<b>Extinction Coefficient:</b>	$E^{0.1\%}_{280nm} = 1.39$		
<b>Specific Activity:</b>	Lot specific		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Certification:</b>	Purified from Human Plasma that was tested and found negative for HIV-1/2, HIV-1 antigen(s), HBsAg, STS, antiHCV, anti-HBcore and anti-HTLV I & II.		

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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