

F7

Native Human Factor VII

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|---------------------------------|---|------------------|----------------|
| Catalog No. | CRF141B CRF141C | Quantity: | 100 µg 1 mg |
| Alternate Names: | Coagulation Factor VII, Proconvertin, Serum prothrombin conversion accelerator, SPCA | | |
| Description: | Native Human factor VII is purified using a combination of conventional techniques and immunoaffinity chromatography. Human Factor VII is a single-chain vitamin K dependent glycoprotein found in trace quantities in plasma (0.5 mg/L). In the Tissue Factor Pathway of coagulation, Human 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. | | |
| UniProt ID: | P08709 | | |
| Gene ID: | 2155 | | |
| Source: | Human plasma | | |
| Molecular Weight: | 50 kDa | | |
| Formulation: | 0.02M Tris-HCl, 0.1M NaCl, 1mM Benzamidine, pH 7.4 | | |
| Purity: | >95% by SDS-PAGE analysis | | |
| Extinction Coefficient: | $E^{0.1\%}_{280nm} = 1.39$ | | |
| Specific Activity: | 2222.0 PEU/mg, determined by Factor VII clotting assay, in Plasma Equivalence Units. | | |
| Storage & Stability: | Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles. | | |
| Certification: | 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. | | |

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