

**Product:** Factor VIIa, human, recombinant  
**Catalog #:** 12-4419  
**Amount:** 100 IU

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**DESCRIPTION:** Recombinant human Factor VIIa (rHuFactorVIIa)  
Recombinant Human Factor VIIa produced in BHK is a glycosylated polypeptide two-chain dimer consisting of 406 amino acids with a molecular weight of 50kD. The rHuFactor-VIIa is purified by proprietary chromatographic techniques

**SOURCE:** *BHK Cells (Baby Hamster Kidney) Cells*

**PURITY:** > 98%, as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

**ACTIVITY:** The bioactivity was measured by HMEC cell line, PEX can inhibit the transmembrane activity of HMEC under the stimulation of VEGF.

**ENDOTOXIN:** Less than 0.1 ng/μg (IEU/μg) of rHuFactorVIIa

**DIMERS & AGGREGATES:** Less than 1% as determined by silver stained SDS-PAGE gel analysis

**PROTEIN CONTENT:** Protein quantitation was carried out by 2 independent methods:  
- UV spectroscopy at 280 nm  
- Analysis by RP-HPLC

**FORM:** Purified, in 4.86mg sodium chloride, 2.45mg calcium chloride dihydrate, 50mg mannitol and 116μg Tween 80

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

**BIOLOGICAL ACTIVITY:** rHuFactorVIIa is fully biologically active when compared to standards. The potency per mg was tested and found to be 50,000Units/mg

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