

Coagulation Factor-VIII Human Recombinant

Item Number	rAP-3040
Synonyms	Coagulation factor VIII, Procoagulant component, Antihemophilic factor, AHF, F8, F8C, F8B, HEMA, FVIII, DXS1253E, F8 protein.
Description	Antihemophilic Factor Human Recombinant produced in CHO is a glycosylated polypeptide chain having a total amino acids of 1438 (170kd) and consisting of two dimer chains 80 kD and 90 kD. The Factor-VIII lacks central region of B-domain region and is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P00451
Amino Acid Sequence	
Source	CHO cells (Chinese Hamster Ovarian Cells).
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Factor-VIII although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Factor-VIII should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Each IU was lyophilized from a solution containing 30ug PEG, 1.6ng VWF, 4ug calcium, and 0.25mg HSA. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute 250IU lyophilized Factor-VIII in 5ml sterile 18M-cm H ₂ O, which can then be further diluted to other aqueous solutions.
Biological Activity	The specific activity was found to be 7,058 IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**