9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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F8 Human

Coagulation Factor-VIII Human
RCP0800

Product Overview

Name	F8 Human
Description	
Coagulation Factor-VIII Human	
Accession (Primary)	P00451
Synonyms	
Coagulation factor VIII, Procoagulant component, Antihemophilic factor, AHF, F8, F8C, F8B, HEMA, FVIII, DXS1253E, F8 protein.	
Introduction	
Coagulation factor VIII participates in the intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca+2 and phospholipids, converts factor X to the activated form Xa. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder.	
Source	
Human Plasma.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The lyophilized protein 200IU/ml was lyophilized from a sterile solution containing 1.5% Glycine, 160mM Calcium chloride and 25mM NaCitrate and 25mM NaCl.	
Stability	
Lyophilized Factor-VIII although stable at room temperature for 1 week, should be stored desiccated between 2-8°C. Upon reconstitution Factor-VIII should be stored at 4°C.	
Biological Activity	
The potency was found to be 10 Units/mg.	
Solubility	

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It is recommended to reconstitute the lyophilized Factor-VIII in sterile 18MΩ-cm H 2 O at a concentration of 200IU/ml, which can then be further diluted to other aqueous solutions. Make sure that the vial has reached room temperature prior to its reconstitution, otherwise it might precipitate.

Human Virus Test

The plasma is collected from donors with Hepatitis B vaccinated. Each unit of plasma has been tested for HBsAg, Anti-HIV-1/2 plus O and Anti-HCV by using the imported kits which are approved by Federal Drug Administration (FDA).

Precautions

F8 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00451)