

Recombinant Human Coagulation Factor VIII, Procoagulant Component

Cat. No. F8-2397H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Coagulation Factor VIII, Procoagulant Component(2597-2791aa) is expressed in <i>E.coli</i> . MW=48kDa.
Species	Human
Source	E.coli
ProteinLength	2597-2791 a.a.
Description	Factor VIII related antigen or von Willebrand factor is a multimeric glycoprotein. It has functional binding domains to platelet glycoprotein Ib, glycoprotein IIb/IIIa, collagen and heparin. Von Willebrand factor is synthesized by endothelial cells and stored in the Weibel-Palade granules. It mediates platelet adhesion to injured vessel walls and serves as a carrier and stabilizer for coagulation factor VIII. Von Willebrand factor is one of the most useful markers to identify endothelial (or megakaryocytic) lineage of neoplasms.
Presentation	100µl purified human factor VIII protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.
Application	ELISA, Inhibition Assays, Western Blotting.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 48kDa including GST.

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Storage

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

GENE INFORMATION
Gene Name

F8 coagulation factor VIII, procoagulant component [Homo sapiens]

Synonyms

F8; coagulation factor VIII, procoagulant component; AHF; F8B; F8C; HEMA; FVIII; DXS1253E; coagulation factor VIII; factor VIII F8B; coagulation factor VIIIc; antihemophilic factor

Gene ID

2157

mRNA Refseq

NM_000132

Protein Refseq

NP_000123

MIM

306700

UniProt ID

P00451

**Chromosome
Location**

Xq28

Pathway

Complement and coagulation cascades; Hemostasis

Function

copper ion binding; metal ion binding; oxidoreductase activity; protein binding

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