

# Recombinant Human Coagulation Factor VIII, Procoagulant Component

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human Coagulation Factor VIII, Procoagulant Component(2597-2791aa) is expressed in <i>E.coli</i> . MW=48kDa.
<b>Species</b>	Human
<b>Source</b>	<i>E.coli</i>
<b>ProteinLength</b>	2597-2791 a.a.
<b>Description</b>	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.
<b>Presentation</b>	100µl purified human factor VIII protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.
<b>Application</b>	ELISA, Inhibition Assays, Western Blotting.
<b>Characterization</b>	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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