

Recombinant Human F8 Protein, His-tagged

Cat. No. F8-048H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human coagulation factor VIII, procoagulant component (F8), transcript variant 2, full length, with N-terminal HIS tag, expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes coagulation factor VIII, which participates in the intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca²⁺ 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. [provided by RefSeq, Jul 2008].
Molecular Mass	24.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 50mM Tris, 8M Urea, pH 8.0.

Full Length Full L.

GENE INFORMATION

Gene Name F8 coagulation factor VIII, procoagulant component [Homo sapiens]

Official Symbol F8

Synonyms F8; coagulation factor VIII, procoagulant component; F8C; coagulation factor VIII; DXS1253E; Factor VIIIF8B; FVIII; HEMA; hemophilia A; factor VIII F8B; antihemophilic factor; coagulation factor VIIIC; AHF; F8B;

Gene ID 2157

mRNA Refseq NM_000132

Protein Refseq NP_000123

MIM 300841

UniProt ID P00451

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