

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 g/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 VIII F8B; 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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