

Recombinant Rabbit F8 Protein, His-tagged

Cat. No. F8-913R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit F8 Protein (Leu2005-Glu2331) with His tag was expressed in E. coli.
Species	Rabbit
Source	E.coli
ProteinLength	Leu2005-Glu2331
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 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.7 kDa; Accurate Molecular Mass: 38 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	F8 coagulation factor VIII, procoagulant component [<i>Oryctolagus cuniculus</i> (rabbit)]
Official Symbol	F8
Synonyms	F8; coagulation factor VIII, procoagulant component; coagulation factor VIII;
Gene ID	100303761
mRNA Refseq	NM_001171271
Protein Refseq	NP_001164742
UniProt ID	B7NZR5

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