# Recombinant Rabbit Coagulation factor XI Protein (pro form)

## Catalog No.: RP03594LQ



### Sequence Information

**Species**
Rabbit

**Gene ID**
100009596

**Swiss Prot**
G1SSQ6

**Tags**
C-His

**Synonyms**
Coagulation factor XI; FXI; PTA; F11;

### Product Information

**Source**
HEK293 cells

**Purification**
> 95% as determined by HPLC

**Calculated MW**
69.61 kDa

**Observed MW**
70-90 kDa due to glycosylation.

**Endotoxin**
< 1 EU/μg of the protein by LAL method.

**Formulation**
Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

**Reconstitution**

### Background

Coagulation factor (F)XI has been described as a component of the early phase of the contact pathway of blood coagulation, acting downstream of factor XII.In contrast to its mild hemostatic activities, FXI is known to play a significant role in thrombosis, as it is a demonstrated independent risk factor for deep vein thrombosis, ischemic stroke, and myocardial infarction. A better understanding of the varied and complex role of FXI in both thrombosis and hemostasis will help to allow better prediction of bleeding risk in FXI-deficient patients and also informing the development of targeted agents to inhibit the thrombotic activities of FXI while preserving hemostasis.

### Basic Information

**Description**
Recombinant Rabbit Coagulation factor XI Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu19-Pro624 ) of Rabbit Coagulation factor XI (Accession #G1SSQ6) fused with His tag at the C-Terminus. The protein needs to be activated by Thermolysin for an activated form.

**Activity**
Immobilized Rabbit Coagulation factor XI, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-factor XI Antibody, hFc Tag with the EC50 of 4.5ng/ml determined by ELISA (QC Test).

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -70℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

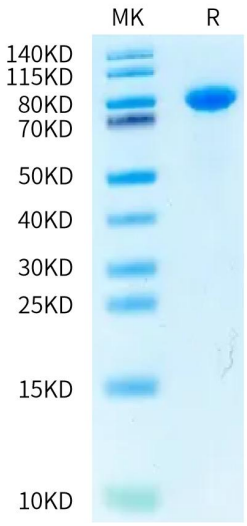
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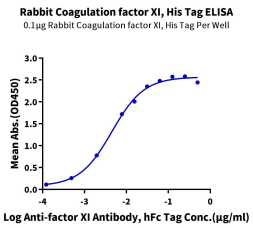


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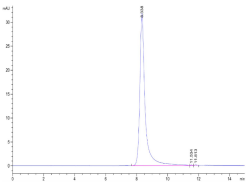
## Validation Data




Rabbit Coagulation factor XI on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.




Immobilized Rabbit Coagulation factor XI, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-factor XI Antibody, hFc Tag with the EC50 of 4.5 ng/ml determined by ELISA (QC Test).



The purity of Rabbit Coagulation factor XI is greater than 95% as determined by SEC-HPLC.