

# Cynomolgus Coagulation factor XI Protein

Cat. No. FXI-CM101

## Description

<b>Source</b>	Recombinant Cynomolgus Coagulation factor XI Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu44-Ala650.
<b>Accession</b>	XP_005556540.2
<b>Molecular Weight</b>	The protein has a predicted MW of 69.05 kDa. Due to glycosylation, the protein migrates to 70-85 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

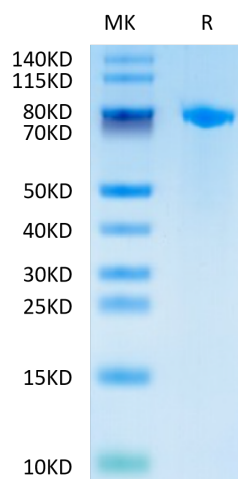
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Factor XI (FXI) is the zymogen of a plasma protease (FXIa) that contributes to hemostasis by activating factor IX (FIX). In the original cascade model of coagulation, FXI is converted to FXIa by factor XIIa (FXIIa), a component, along with prekallikrein and high-molecular-weight kininogen (HK), of the plasma kallikrein-kinin system (KKS).

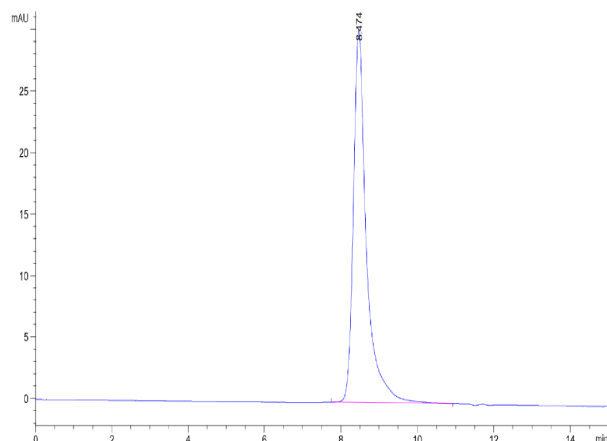
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



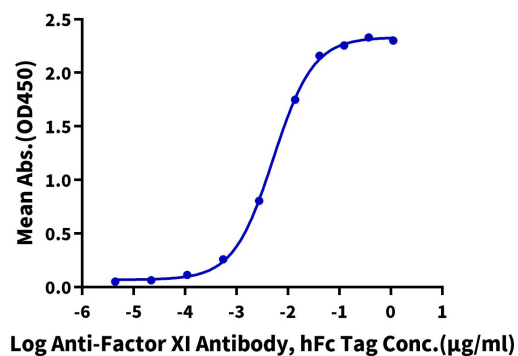
The purity of Cynomolgus Coagulation factor XI Protein is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Cynomolgus Coagulation factor XI, His Tag ELISA**

0.05µg Cynomolgus Coagulation factor XI, His Tag Per Well



Immobilized Cynomolgus Coagulation factor XI, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Factor XI Antibody, hFc Tag with the EC50 of 5.3ng/ml determined by ELISA.