

Catalog No.: RP03593 **Recombinant**

Species	Gene ID	Swiss Prot
Cynomolgus	102143421	XP_005556554 0.2

C-His

FXI; PTA; F11; Coagulation factor XI

Source	Purification
HEK293 cells	> 95% as determined by HPLC

Calculated MW	Observed MW
69.05 kDa	70-85 kDa due to glycosylation.

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

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

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).

Recombinant Cynomolgus Coagulation factor XI Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu44-Ala650) of Cynomolgus Coagulation factor XI (Accession #XP_005556540.2) fused with His tag at the C-Terminus. The protein needs to be activated by Thermolysin for an activated form.

1. 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 4.9ng/ml determined by ELISA (QC Test).|2. Measured by its ability to cleave the fluorogenic peptide substrate, t-butyloxycarbonyl-Ile-Glu-Gly-Arg-7-amido-4-methylcoumarin (Boc-I-EGR-AMC). The specific activity is >50 pmoles/min/µg. (QC Test).

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.

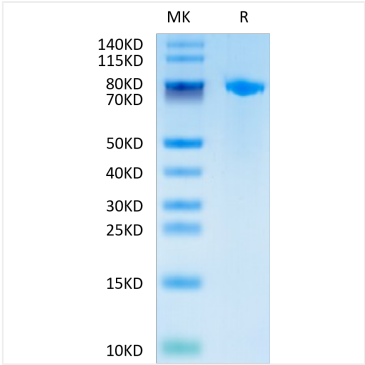
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

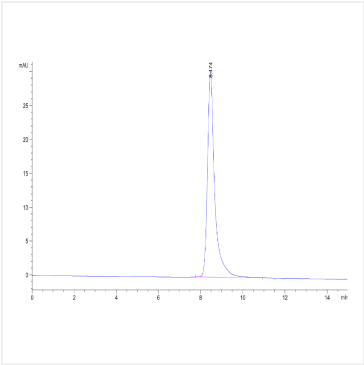
Avoid repeated freeze/thaw cycles.

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

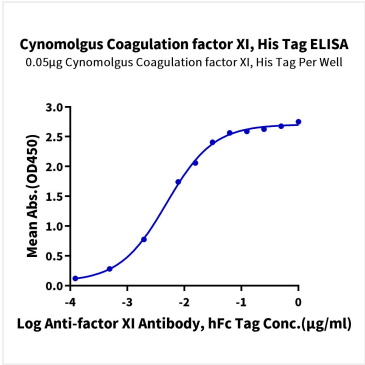
Validation Data



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



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



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 4.9ng/ml determined by ELISA (QC Test).