

Synonym

Coagulation factor X, F10, factor 10, factor X, Stuart Factor, Stuart-Prower factor

Source

Cynomolgus Coagulation factor X, His Tag (F10-C52H9) is expressed from human 293 cells (HEK293). It contains AA Leu 24 - Lys 488 (Accession # [A0A2K5VHK1-1](#)).

Predicted N-terminus: Leu 24

Molecular Characterization

F10(Leu 24 - Lys 488)
A0A2K5VHK1-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 15.7 kDa and 30.3 kDa. The protein migrates as 19 kDa, 48-53 kDa and 65-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μm filtered solution in 25 mM MES, 150 mM NaCl, pH 6.0 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

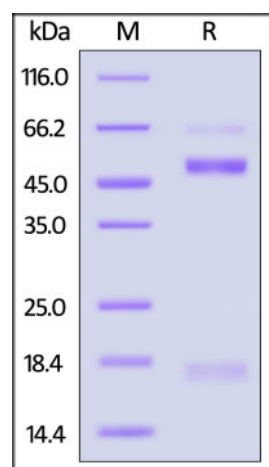
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

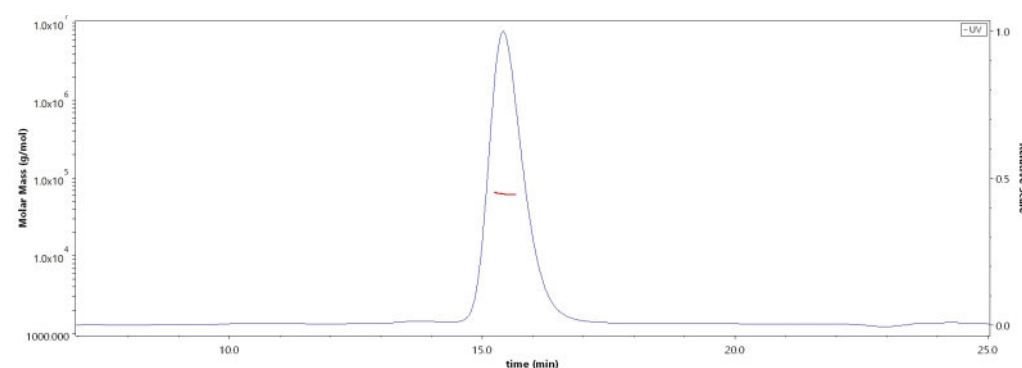
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Cynomolgus Coagulation factor X, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS

The purity of Cynomolgus Coagulation factor X, His Tag (Cat. No. F10-C52H9) is more than 90% and the molecular weight of this protein is around 52-70 kDa verified by SEC-MALS.

[Report](#)

Background

As the only known physiological activator of thrombin, Factor X is a vitamin K-dependent plasma protease that plays a pivotal role in blood coagulation.

Clinical and Translational Updates

Cynomolgus Coagulation factor X / F10 Protein, His Tag (MALS verified)

Catalog # F10-C52H9



Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.