

Human FX, His Tag, CHO

Catalog Number LDG030PHM

Package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (N-term)

Purity

>90% as determined by SDS-PAGE analysis.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Expression System

CHO

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 16.97 kDa. The protein migrates as 15-20 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

Factor X (FX), also known as Stuart factor, is a vitamin K-dependent serine protease essential for blood coagulation. Upon activation, FX is converted into its active form, Factor Xa (FXa), which plays a pivotal role in the coagulation cascade by catalyzing the conversion of prothrombin to thrombin. Thrombin, in turn, converts fibrinogen into fibrin, leading to the formation of a stable blood clot. Dysregulation of FX activity can result in bleeding disorders or thrombotic events. Understanding FX's role in hemostasis is crucial for developing therapies for coagulation disorders and managing thrombotic conditions.

Uniprot ID

P00742

Synonyms

Coagulation factor X, Stuart factor, Stuart-Prower factor

Sequence Note

Ala41-Arg182

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

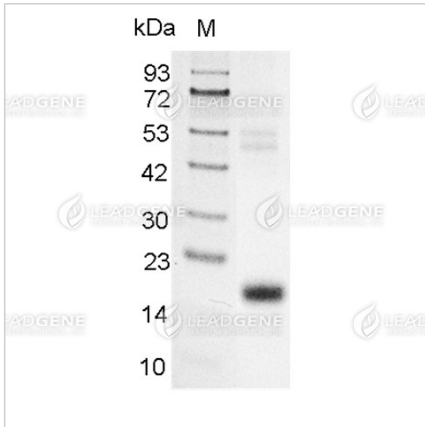
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



SDS-PAGE analysis of recombinant human FX.

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