# Product Name: Recombinant Human Coagulation Factor (C-Fc Collife Catalog #: PHH0427

## 概述 (Summary)

英文全称 Coagulation Factor X/F10/Stuart factor

纯度 (Purity) Greater than 95% as determined by reducing SDS-PAGE

内毒素 (Endotoxin level) <1 EU/μg as determined by LAL test.

蛋白构建 (Construction) Recombinant Human Coagulation Factor X is produced by our

Mammalian expression system and the target gene encoding Asn32-

Lys488 is expressed with a human IgG1 Fc tag at the C-terminus.

Accession # P00742

蛋白标签 (Tag)

表达宿主 (Host) Human Cells 种屋 (Species) Human

种属 (Species) Human 预测分子量 (Predicted MW) 78.2 KDa

蛋白形态 (Form) Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl,

0.2mM CaCl2, pH 5.5.

储存缓冲液 (Buffer)

运输方式 (Shipping) The product is shipped at ambient temperature. Upon receipt, store it

immediately at the temperature listed below.

稳定性&储存 (Stability &Storage) Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3

months under sterile conditions after opening. Please minimize freeze-thaw

cycles.

复溶 (Reconstitution) Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to

is not recommended to reconstitute to a concentration less than 100µg/ml.

reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized

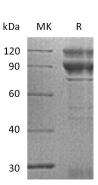
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# 电泳图 (SDS-PAGE image)

Web: https://www.enkilife.com E-mail: order@enkilife.com techsupport@enkilife.com Tel: 0086-27-87002838





# 背景 (Background)

分子別名 (Alternative Names) 背景介绍 (References) Coagulation factor X; Stuart factor; Stuart-Prower factor

F10, also known as Coagulation factor X, belongs to the peptidase S1 family that is synthesized as a 488 amino acid (aa) with a signal peptide and a pro region (residues 1-40). Both the intrinsic and extrinsic pathways activate Factor X to Xa, which consists of light (residues 41-179) and heavy (residues 235-488) chains linked by a disulfide bond. Coagulation factor X is initially synthesized in the liver. The two chains are formed from a single-chain precursor by the excision of two Arg residues and are held together by 1 or more disulfide bonds. Forms a heterodimer with SERPINA5. F10 is a vitamin K-dependent glycoprotein that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting.

### 注意事项 (Note)

For Research Use Only, Not for Diagnostic Use.