

Datasheet for ABIN7319649

## Coagulation Factor X Protein (F10) (Fc Tag)



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### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 50 µg  |
| Target:                       | Coagulation Factor X (F10)                                 |
| Origin:                       | Human  |
| Source:                       | Human Cells  |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This Coagulation Factor X protein is labelled with Fc Tag. |

### Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Human Coagulation Factor X/F10 Protein (Fc Tag)   |
| Sequence:        | Asp22-Phe96   |
| Characteristics: | Recombinant Human Coagulation Factor X is produced by our Mammalian expression system and the target gene encoding Asn32-Lys488 is expressed with a Fc tag at the C-terminus. |
| Purity:          | > 85 % as determined by reducing SDS-PAGE.  |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method.  |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | Coagulation Factor X (F10)   |
| Alternative Name: | Coagulation Factor X/F10 ( <a href="#">F10 Products</a> )  |
| Background:       | Background: 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).<br>Both the intrinsic and extrinsic pathways activate Factor X to Xa, which consists of light |

## Target Details

(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.

Synonym: Coagulation factor 10,coagulation factor X,FX,FXA

Molecular Weight: 78.2 kDa

UniProt: [P00742](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM MES,150 mM NaCl,0.2 mM CaCl<sub>2</sub>, pH 5.5.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.