

Datasheet for ABIN7320491

**Coagulation Factor X Protein (F10) (His tag)****1** Image[Go to Product page](#)

## Overview

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

## Product Details

Purpose:	Recombinant Mouse Coagulation Factor X/F10 Protein (His Tag)
Sequence:	Gly21-Asn481
Characteristics:	Recombinant Mouse Coagulation factor X is produced by our Mammalian expression system and the target gene encoding Gly21-Asn481 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by 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: Mouse coagulation factor X / F10 a member of the peptidase S1 family. The mature F10 is composed mostly of two EGF-like domains, one Gla gamma-carboxy-glutamate domain and one peptidase S1 domain. Factor Xa is a vitamin K-dependent plasma protease

## Target Details

that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting. The two chains of F10 are formed from a single-chain precursor by the excision of two Arg residues. A single-chain precursor is initially synthesized in the liver. The light and heavy chains are linked together by disulfide bonds. The light chain contains a Gla and two EGF-like domains. The heavy chain corresponds to the serine protease domain. It can form a heterodimer with SERPINA5.

Synonym: F10,Coagulation factor X,Stuart factor

Molecular Weight: 55.1 kDa

UniProt: [O88947](#)

## Application Details

Restrictions: For Research Use only

## Handling

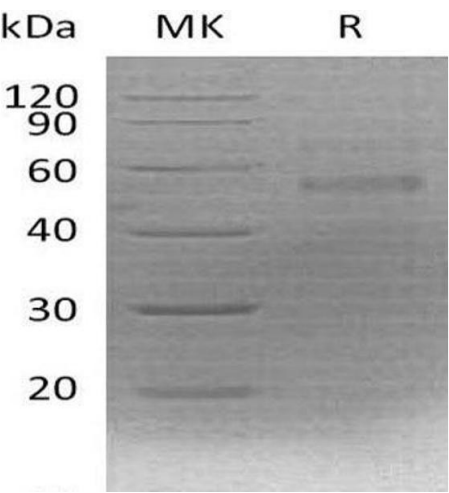
Format: Lyophilized

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 and 1 mM CaCl<sub>2</sub> pH 7.5..

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.



Western Blotting

Image 1.