

# Human Coagulation Factor XI/F11 (His Tag) recombinant protein



Catalog Number: 500710

## General Information

### Gene Name Synonym

Plasma thromboplastin antecedent; Coagulation factor XIa heavy chain; Coagulation factor XIa light chain

### Protein Construction

A DNA sequence encoding the human F11 (NP\_000119.1) precursor (Met 1-Val 625) with a carboxy-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave the fluorogenic peptide substrate, t-butyloxycarbonyl-Ile-Glu-Gly-Arg-7-amido-4-methylcoumarin (Boc-IEGR-AMC). The specific activity is >100 pmoles/min/μg.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Glu 19

### Molecular Mass

The secreted recombinant human F11 consists of 618 amino acids with the predicted molecular mass of 69.5 kDa. As a result of glycosylation, rhCTSS migrates as an approximately 75-80 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

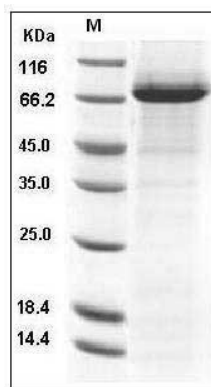
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Coagulation Factor XI / FXI / F11 Protein (His Tag) SDS-PAGE