

# Human Coagulation Factor VII (His Tag) recombinant protein



Catalog Number: 501266

## General Information

### Gene Name Synonym

Proconvertin; Serum prothrombin conversion accelerator; Factor VII light chain; Factor VII heavy chain

### Protein Construction

A DNA sequence encoding the human F7 isoform B (P08709-2) (Met 1-Pro 444) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Ala 39

### Molecular Mass

The secreted mature form of recombinant human F7 consists of 417 amino acids and predicts a molecular mass of 46.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh F7 is approximately 50 kDa.

### 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

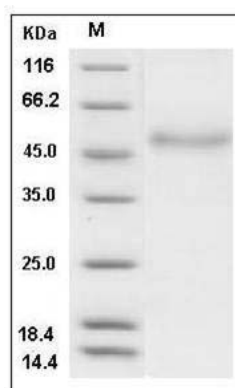
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 VII / FVII / F7 Protein (His Tag) SDS-PAGE