

# Mouse Coagulation Factor VII (His Tag) recombinant protein



Catalog Number: 502159

## General Information

### Gene Name Synonym

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

### Protein Construction

A DNA sequence encoding the mouse F7  
(NP\_034302.2) (Met 1-Leu 446) was fused with  
the a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

CHO Cells

## QC Testing

### Activity

Measured by its binding ability in a functional  
ELISA.

Immobilized mouse F7-his at 10 µg/ml (100  
µl/well) can bind biotinylated mouse F3-his  
(Cat#50413-M08H). The EC<sub>50</sub> of biotinylated  
mouse F3-his (Cat#50413-M08H) is 0.1-0.3 µg/ml.

### Purity

> 90 % 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

Val 25 & Ala 42

### Molecular Mass

The mature form of mouse F7 consists of 416  
amino acids after removal of the signal peptide  
and the propeptid, and has a predicted molecular  
mass of 47 kDa. In SDS-PAGE under reducing  
conditions, the apparent molecular mass of rm F7  
is approximately 56-63 kDa due to glycosylation.

### 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

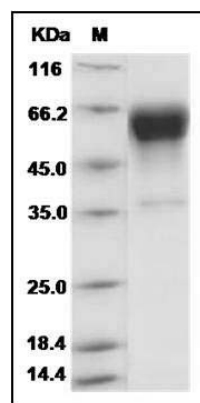
### Storage

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



Mouse Coagulation Factor VII / FVII / F7 Protein  
(His Tag) SDS-PAGE