

# Mouse Coagulation Factor III / Tissue Factor / CD142 (His Tag) recombinant protein



Catalog Number: 500571

## General Information

### Gene Name Synonym

Coagulation factor III

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse F3 (NP\_034301.3) (Met 1-Glu 251) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to activate Coagulation Factor VII in cleaving a fluorogenic peptide substrate Boc-VPR-AMC (R&D Systems, Catalog# ES011). The AC50 is < 5 µg/ml.

### Purity

> 98 % 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

Ala 29

### Molecular Mass

The secreted recombinant mouse F3 consists of 234 amino acids and has a calculated molecular mass of 26.8 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 40-45 kDa 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

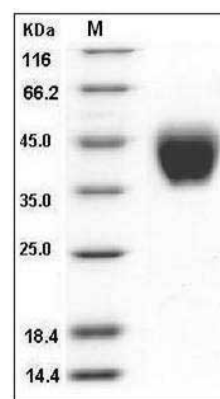
### Storage

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



Mouse Coagulation Factor III / Tissue Factor / CD142 Protein (His Tag) SDS-PAGE