

# Human Coagulation Factor III / Tissue Factor / CD142 (Fc Tag) recombinant protein



Catalog Number: 501458

## General Information

### Gene Name Synonym

Coagulation factor III; Thromboplastin

### Protein Construction

A DNA sequence encoding the human F3 (P13726) extracellular domain (Met 1-Glu 251) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 92 % 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

Ser 33

### Molecular Mass

The recombinant human F3/Fc is a disulfide-linked

homodimeric protein. The reduced monomer consists of 460 amino acids and has a predicted molecular mass of 51.8 kDa. It migrates as an approximately 66 kDa band in SDS-PAGE under reducing conditions 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

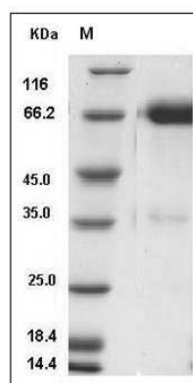
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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 III / Tissue Factor / CD142 Protein (Fc Tag) SDS-PAGE