

# Mouse Coagulation Factor II/F2 (His Tag) recombinant protein



Catalog Number: 503012

## General Information

### Gene Name Synonym

Coagulation factor II; Activation peptide fragment 1; Activation peptide fragment 2; Thrombin light chain; Thrombin heavy chain

### Protein Construction

A DNA sequence encoding the full length of mouse F2 (NP\_034298.1) (Met 1-Gly 618) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC R&D Systems, Catalog # ES011.

The specific activity is > 2000 pmoles/min/μg.

### Purity

> 96 % 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

Gln 25

## Molecular Mass

The secreted recombinant mouse F2 consists of 605 amino acids (pro form) and has a calculated molecular mass of 69.3 kDa. The apparent molecular mass of the recombinant mouse F2 is approximately 85 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

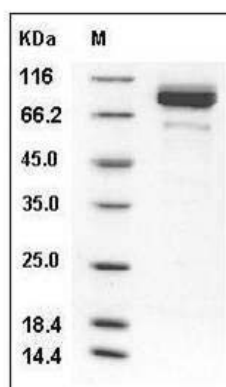
### Storage

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 II / FII / F2 Protein (His Tag) SDS-PAGE