

# Human Coagulation Factor IX / FIX / F9 (His Tag) recombinant protein



Catalog Number: 500613

## General Information

### Gene Name Synonym

Christmas factor; Plasma thromboplastin component; Coagulation factor IXa light chain; Coagulation factor IXa heavy chain

### Protein Construction

A DNA sequence encoding the human F9 (AAB59620.1) (Met 1-Thr 461) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave the peptide substrate, Z-D-Arg-Gly-Arg-pNA. The specific activity is >20pmols/min/ug.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ 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°C

### Predicted N terminal

Thr 29

### Molecular Mass

The secreted recombinant human F9 (pro form) consists of 444 amino acids and predicts a molecular mass of 50 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh F9 is approximately 60-80 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

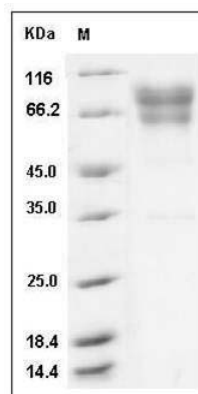
### Storage

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



Human Coagulation Factor IX / FIX / F9 Protein (His Tag) SDS-PAGE