

Mouse Coagulation Factor VII (His Tag) recombinant protein



Catalog Number: 503964

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 FVII (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 ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC (R&D Systems, Catalog # ES011). The specific activity is >4 pmoles/min/μg.

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

Val 25 & Ala 42

Molecular Mass

The mature form of mouse FVII 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 FVII is approximately 55-50 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

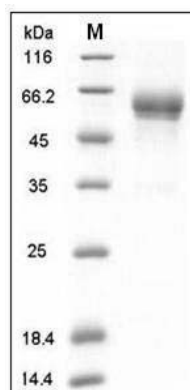
Storage

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