

Human Coagulation Factor X/F10 (His Tag) recombinant protein



Catalog Number: 502986

General Information

Gene Name Synonym

Stuart factor; Stuart-Prower factor; Factor X light chain; Factor X heavy chain; Activated factor Xa heavy chain

Protein Construction

A DNA sequence encoding the full length of human coagulation factor X (NP_000495.1) (Met 1-Lys 488) was expressed with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 97 % 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

Asn 32

Molecular Mass

The recombinant human coagulation factor X consists of 468 amino acids and predicts a

molecular mass of 52.8 kDa. As a result of glycosylation, it migrates with the apparent molecular mass of approximately 48 and 22 kDa corresponding to the cleaved light and heavy chain respectively in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

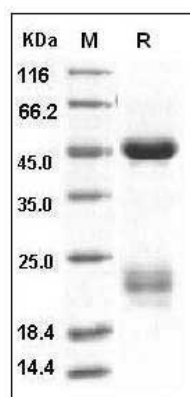
Storage

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 X / FX / F10 Protein (His Tag) SDS-PAGE