

General Information

Gene Name Synonym

Anticoagulant protein C; Autoprothrombin IIA; Blood coagulation factor XIV; Vitamin K-dependent protein C light chain; Vitamin K-dependent protein C heavy chain; Activation peptide

Protein Construction

A DNA sequence encoding the human PROC (P04070) (Met1-Pro461) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

(79+20.5) % 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

Thr 19

Molecular Mass

The recombinant human PROC comprises 454 amino acids and has a predicted molecular mass of 51.5 kDa. The apparent molecular mass of the protein is approximately 56-64 and 45 kDa 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

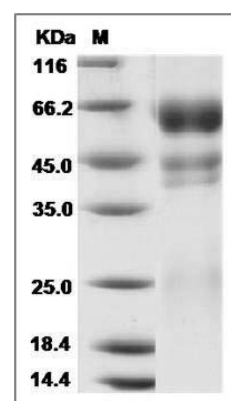
Store it under sterile conditions at -20°C to -80°C .

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 PROC1 / Protein C / PROC Protein (His Tag) SDS-PAGE