

Human PROC1 / Protein C / PROC Protein (His Tag)

Catalog Number: 10196-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

APC; PC; PROC; PROC1; THPH3; THPH4

Protein Construction:

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

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μ g of the protein as determined by the LAL method

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.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

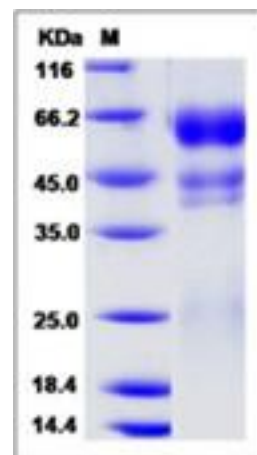
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

PROC (protein C gene) is a 62-kDa vitamin K-dependent plasma zymogen which, after activation to serine protease, plays an important role in the physiologic regulation of blood coagulation. Originally thought to be synthesized exclusively by the liver, recent reports have shown that PROC is also produced by many other cells including pancreatic islet β cells. Protein C a vitamin K-dependent plasma glycoprotein and is one of the body's natural anticoagulants circulating at 7 nmol/L as an inactive protease zymogen.