

Protein C, Human Plasma recombinant protein
Vitamin K-dependent protein C, Anticoagulant protein C, Autoprothrombin IIA, Blood coagulation factor
Catalog # PBV11258r

Specification

Protein C, Human Plasma recombinant protein - Product info

Primary Accession [P04070](#)
Calculated MW **62 kDa**

Protein C, Human Plasma recombinant protein - Additional Info

Gene ID **5624**
Gene Symbol **PROC**

Other Names

Vitamin K-dependent protein C, Anticoagulant protein C, Autoprothrombin IIA, Blood coagulation factor XIV, PROC, PC, APC, PROC1, THPH3, THPH4.

Gene Source	Human
Source	Human Plasma
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	No
Target/Specificity	
Protein C	

Format

Liquid

Storage

-80°C; In 20 mM Tris-HCl, 0.1 M NaCl, 1 mM Benzamidine -pH 7.4

Protein C, Human Plasma recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Protein C, Human Plasma recombinant protein - Images

Protein C, Human Plasma recombinant protein - Background

Protein C (PROC) is a vitamin K-dependent serine protease which regulates blood coagulation by inactivating factors Va and VIIIa in the presence of calcium ions and phospholipids. PROC is cleaved to its activated form by the thrombin-thrombomodulin complex. This activated form, which contains a serine protease domain, functions in degradation of the activated forms of coagulation factors V and VIII. Mutations in the PROC gene are linked with thrombophilia due to protein C deficiency, neonatal purpura fulminans, and recurrent venous thrombosis. This protein is purified from fresh frozen human plasma using a combination of salt precipitations and column chromatography.

Protein C, Human Plasma recombinant protein - References

Beckmann R.J.,et al.Nucleic Acids Res. 13:5233-5247(1985).
Foster D.C.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:4673-4677(1985).
Plutzky J.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:546-550(1986).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).