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PROC Blocking Peptide
Synthetic peptide
Catalog # BP1017a

Specification

PROC Blocking Peptide - Product Information

Primary Accession P04070

PROC Blocking Peptide - Additional Information

Gene ID 5624

Other Names
Vitamin K-dependent protein C, 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, PROC

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PROC Blocking Peptide - Protein Information

Name PROC

Function
Protein C is a vitamin K-dependent serine protease that regulates blood coagulation by inactivating factors Va and VIIIa in the presence of calcium ions and phospholipids (PubMed:25618265). Exerts a protective effect on the endothelial cell barrier function (PubMed:25651845).

Cellular Location
Secreted. Golgi apparatus Endoplasmic reticulum

Tissue Location
Plasma; synthesized in the liver.

PROC Blocking Peptide - Protocols

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

- Blocking Peptides

PROC Blocking Peptide - Images

PROC Blocking Peptide - Background

Epitope tags consisting of short sequences recognized by well-characterizated antibodies have been widely used in the study of protein expression in various systems. The epitope tag composed of a 12 residue peptide, EDQVDPRLIDGK , is derived from Protein-C, a vitamin K-dependent serine protease that regulates blood coagluation by inactivating factors Va and VIIIa in the presence of calcium ions and phospholipids.
Abgent's anti-Protein-C polyclonal antibody provides a simple solution to detect the expression of a Protein-C epitope-tagged protein in cells.

PROC Blocking Peptide - References

Lichty JJ, Malecki JL, Agnew HD, Michelson-Horowitz DJ, Tan S. Comparison of affinity tags for protein purification. Protein Expr Purif. 2005 May;41(1):98-105.