

F2 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP19825b

Specification

F2 Blocking Peptide (C-term) - Product Information

Primary Accession

[P00734](#)

Other Accession

[O19AZ8](#), [NP_000497.1](#)**F2 Blocking Peptide (C-term) - Additional Information****Gene ID** 2147**Other Names**

Prothrombin, Coagulation factor II, Activation peptide fragment 1, Activation peptide fragment 2, Thrombin light chain, Thrombin heavy chain, F2

Target/Specificity

The synthetic peptide sequence is selected from aa 426-440 of HUMAN F2

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.

F2 Blocking Peptide (C-term) - Protein Information**Name** F2**Function**

Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.

Cellular Location

Secreted, extracellular space.

Tissue Location

Expressed by the liver and secreted in plasma.

F2 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

F2 Blocking Peptide (C-term) - Images

F2 Blocking Peptide (C-term) - Background

Coagulation factor II is proteolytically cleaved to form thrombin in the first step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also plays a role in maintaining vascular integrity during development and postnatal life. Mutations in F2 leads to various forms of thrombosis and dysprothrombinemia.

F2 Blocking Peptide (C-term) - References

Simchen, M.J., et al. Eur. J. Obstet. Gynecol. Reprod. Biol. 153(2):160-164(2010)
Evagelidou, E.N., et al. Diabetes Care 33(11):2468-2470(2010)
Ikejiri, M., et al. Int. J. Hematol. 92(2):302-305(2010)
Fusconi, M., et al. Audiol. Neurotol. 16(3):185-190(2010)
Jacobsen, A.F., et al. J. Thromb. Haemost. (2010) In press :