

F2 Blocking Peptide (N-Term)
Synthetic peptide
Catalog # BP21595a**Specification**

F2 Blocking Peptide (N-Term) - Product InformationPrimary Accession [P00734](#)**F2 Blocking Peptide (N-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 46-59 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 (N-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. Activates coagulation factor XI (F11); activation is promoted by the contact with negatively charged surfaces (PubMed:2019570, PubMed:21976677). Triggers the production of pro- inflammatory cytokines, such as MCP-1/CCL2 and IL8/CXCL8, in endothelial cells (PubMed:30568593, PubMed:9780208).

Cellular Location

Secreted, extracellular space.

Tissue Location

Expressed by the liver and secreted in plasma.

F2 Blocking Peptide (N-Term) - Protocols

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

- [Blocking Peptides](#)

F2 Blocking Peptide (N-Term) - Images

F2 Blocking Peptide (N-Term) - Background

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F2 Blocking Peptide (N-Term) - References

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Wang W.,et al.Haemophilia 10:94-97(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Degen S.J.F.,et al.Biochemistry 22:2087-2097(1983).