

# Fibrinopeptide B, human

Synthetic Peptide Catalog # SP3493b

### **Specification**

# Fibrinopeptide B, human - Product Information

**Primary Accession** 

P02675

Sequence

Pyr-GVNDNEEGFFSAR-COOH

# Fibrinopeptide B, human - Additional Information

Gene ID 2244

#### **Other Names**

Fibrinogen beta chain, Fibrinopeptide B, Fibrinogen beta chain, FGB

#### **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.

### Fibrinopeptide B, human - Protein Information

#### Name FGB

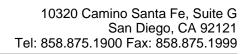
# **Function**

Cleaved by the protease thrombin to yield monomers which, together with fibrinogen alpha (FGA) and fibrinogen gamma (FGG), polymerize to form an insoluble fibrin matrix. Fibrin has a major function in hemostasis as one of the primary components of blood clots. In addition, functions during the early stages of wound repair to stabilize the lesion and guide cell migration during reepithelialization. Was originally thought to be essential for platelet aggregation, based on in vitro studies using anticoagulated blood. However subsequent studies have shown that it is not absolutely required for thrombus formation in vivo. Enhances expression of SELP in activated platelets. Maternal fibrinogen is essential for successful pregnancy. Fibrin deposition is also associated with infection, where it protects against IFNG-mediated hemorrhage. May also facilitate the antibacterial immune response via both innate and T-cell mediated pathways.

Cellular Location Secreted

#### **Tissue Location**

Detected in blood plasma (at protein level).





Fibrinopeptide B, human - Images