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Product Information

Fibronectin Proteolytic Fragment, 70 kDa from human plasma

Product Number **F 0287**

Storage Temperature -20°C

Product Description

Fibronectins are high molecular weight glycoproteins having two subunits with molecular weights in the range of 220-250 kDa. The subunits are joined by disulfide bonds to form the dimer. Fibronectin has an acidic isoelectric point ($\text{pI} = 5.5\text{-}6.0$).

Fibronectin fragments are obtained from plasma fibronectin by using proteolytic enzymes. These fragments are useful tools for mapping regions within the fibronectin molecule, which are responsible for specific binding to collagen and for other biologically relevant functions. The N-terminal 70 kDa fragment (Product No. F 0287) is obtained by Cathepsin D digestion. This fragment binds to both gelatin and heparin. Tryptic digestion of this 70 kDa fragment yields two peptides: the N-terminal 30 kDa heparin binding fragment (Product No. F 9911) and a 45 kDa gelatin binding fragment (Product No. F 0162). The fibronectin proteolytic fragment 70 kDa is the N-terminus of fibronectin and binds collagen, heparin, gelatin, and fibrin.

The product is lyophilized from phosphate buffered saline with sucrose as a cryoprotectant.

Purity: minimum 90% (SDS-PAGE)

Precautions and Disclaimer

This product is for laboratory research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Plasma from each donor has been tested and found negative for antibody to HIV, HCN, and HBsAg.

Preparation Instructions

The product is soluble in water (0.5 mg/ml), yielding a clear to slightly hazy solution.

Storage/Stability

It is recommended to store the product at -20°C .

References

1. Hynes, R.O., Fibronectins. in Springer Series in Molecular Biology, Springer-Verlag Inc. (New York: 1990).

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