

PRODUCT DATA SHEET

Fibronectin, Human purified protein

Cat. No.: RP1724480200

Size: 200 µg

Source: Human plasma

Species: Human

Other Names:

Cold insoluble globulin, FINC, LETS, MSF, FN

Description:

Plasma fibronectin level is elevated in severe coronary artery disease. Increased plasma fibronectin levels are related with venous thromboembolism (VTE) particularly in males, and extend the probable association between biomarkers and risk factors for arterial atherothrombosis and VTE. Fibronectin plays a role in several cellular processes, including tissue repair, embryogenesis, blood clotting, and cell migration/adhesion. Fibronectin consists in two main forms: 1) as an insoluble glycoprotein dimer that serves as a linker in the extracellular matrix and 2) as a soluble disulphide linked dimer found in the plasma. The plasma form is produced by hepatocytes, and the ECM form is synthesized by fibroblasts, chondrocytes, endothelial cells, macrophages, as well as certain epithelial cells. Fibronectin also takes part as a general cell adhesion molecule by anchoring cells to collagen or proteoglycan substrates. Fibronectin organizes cellular interaction with the ECM by binding to different components of the extracellular matrix and to membrane-bound Fibronectin receptors on cell surfaces.

Purity:

Greater than 95.0% as determined by analysis by SDS-PAGE.

Formulation:

The Fibronectin was lyophilized from a concentrated 1 mg/ml solution containing 0.05M Tris HCl pH-7.5 and 0.1M NaCl.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Lyophilized Fibronectin although stable at room temperature for 1 week, should be stored desiccated below -18°C. Upon reconstitution Fibronectin should be stored at 4°C between 2–7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

