

PRODUCT DATASHEET

Fibronectin, Rat purified protein

Cat. No.: RP1721310100

Type: Native protein

Size: 100 µg

Source: Rat plasma

Species: Rat

Description

Rat fibronectin purified from rat plasma. Molecular Weight 220kDa.

Fibronectin is useful for the induction of cell attachment to a variety of surfaces including plastic and glass tissue culture labware, petri dishes, coverslips, microcarrier beads, etc. Fibronectin is useful for growth and maintenance of cells in low serum conditions. In general, the reconstituted fibronectin should be diluted with sterile physiological saline or serum-free medium to a concentration of 10-50µg/ml.

Other names

Cold insoluble globulin, FINC, LETS, MSF, FN

Introduction to the molecule

Fibronectin is an ubiquitous extracellular glycoprotein that exists in a soluble form in body fluids and in an insoluble form in the extracellular matrix. It plays a major role in many important physiological processes, such as embryogenesis, wound healing, hemostasis and thrombosis. Fibronectin is secreted as a dimer with a monomer molecular weight of 220–250 kDa. It is synthesized by, and present around, fibroblasts, endothelial cells, chondrocytes, glial cells, and myocytes. Fibronectin's importance during cancer progression has further been shown. It represents an active element in the process of T cell activation in the immune cascade triggered by organ transplantation.

Research topic

Animal studies, Extracellular matrix, Oncology, Transplantation

Purity

Greater than 95.0%

Reconstitution:

It is recommended to reconstitute the lyophilized Rat Fibronectin in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Shipping

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

Storage, Stability/Shelf Life

Store the lyophilized fibronectin at 4°C. Upon reconstitution fibronectin should be stored at 4°C for 2 weeks and for future use below -18°C.

Please prevent freeze-thaw cycles.

Applications

Cell culture and/or animal studies, In vitro

Note

This BioVendor product is furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

