



Fibronectin Human, E. coli Recombinant Protein

Product Data Sheet

Cat. No.: A12621100 A126211MG
Size: 100 µg 1 mg

Description:

Fibronectin Human Recombinant produced in E. coli is a single, non-glycosylated polypeptide chain containing 574 amino acids and having a molecular mass of 62.6 kDa. The Fibronectin is purified by proprietary chromatographic techniques.

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 10-50 µg/ml.

Source:

E. coli

Purity:

Greater than 95.0%

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 150 mM NaCl, with 5% Trehalose and 0.02% Tween-20.

Biological Activity:

Bioactivity was measured by its ability to support cell attachment and spreading when used as a substratum for cell culture. The recommended concentration in this application for this effect is typically 1-5 µg/cm². Fibronectin can also be added to the media to support cell spreading at a concentration of 0.5-50 µg/ml. Optimal concentrations will need to be determined for individual user applications.

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**Solubility:**

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

Stability:

Lyophilized Fibronectin although stable at room temperature for 3 weeks, 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.

Usage:

Ilex Life Sciences products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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