

Product Specification Sheet

Recombinant Human Cellular Fibronectin

Cat.Nr.: **AMS.FN100S** **AMS.FN1000S**

Sizes: 100 µg 1000 µg

Description: Fibronectin is a high molecular mass, multidomain glycoprotein which plays a key role in various cell-cell and cell-substrate processes such as cell attachment, spreading, growth, differentiation and migration. It is present at cell surfaces and contributes to ECM architecture. There are binding activities for collagen, heparin, fibrin, bacteria and DNA.

Fibronectin is composed of two subunits each consisting of three types of homologous repeating sequences called type I, II, III homologies. These different structural segments contribute to the versatile functions of the molecule.

Cellular fibronectin compared to plasma FN contains the extra domains EDA, EDB and IIICS which probably contribute to the different biological activity of the protein.

Source: - original full-length DNA sequence for cellular fibronectin
- produced serum free in HEK 293 cells
- purified from the culture supernatant

Purification: by affinity chromatography

Formulation: - 20 mmol Tris, 250 mmol NaCl, pH 7,2
- sterile filtered -

Purity: >95% SDS-PAGE
dimer with 400 kDa, multimer > 800 kDa

Identity: ELISA

Activity: tested in a cell attachment assay

Stability: at least 12 months at -20° C
avoid repeated freeze/thaw cycles when dissolved

Usage: laboratory reagent - not to be used as a diagnostic product or for administration to humans or used for any drug purposes

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