

32-9154: Biotinylated Recombinant Human Fibronectin ED-B (N-His&Avi)

Alternative Name : Fibronectin; FN1

Description

Source : E. coli;

Fibronectin is a high-molecular-weight glycoprotein of the extracellular matrix that binds to membrane-spanning receptor proteins called integrins. Similar to integrins, fibronectin binds extracellular matrix components such as collagen, fibrin, and heparan sulfate proteoglycans. The occurrence of multiple isoforms results from alternative mRNA splicing of the ED-A, ED-B and III-CS regions, and subsequent post-translational modification. Fibronectin plays a critical role in cell adhesion, growth, migration, and differentiation, and it is important for the processes of wound healing and embryonic development. Altered fibronectin expression, degradation, and organization has been associated with a number of pathologies, including cancer and fibrosis. Studies of solid human tumors showed among the early signs of malignant transformation the fragmentation of pericellular fibronectin, concomitant with the increase of its production by the peritumoral stroma. These results have encouraged further investigations of the potential importance of fibronectin production and breakdown during cancer progression.

Product Info

Amount : 500 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 50mM Tris, 150mM NaCl, pH7.2.

Amino Acid : Recombinant Human Fibronectin is produced by our E.coli expression system and the target gene encoding Glu5-Thr95 is expressed with a 6His, Avi tag at the N-terminus.