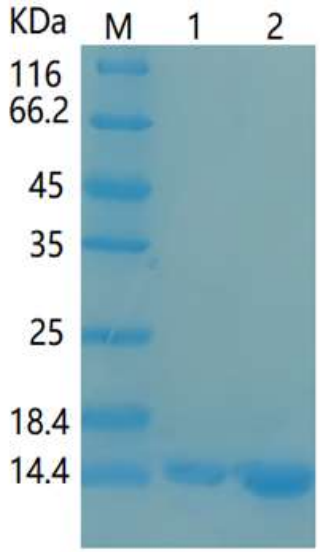
Biotinylated Recombinant Human Fibronectin ED-B (N-His&Avi)

Catalog No: BP137

Description	Biotinylated 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.
Expression System	*E.coli*
Alternative name	Fibronectin; FN1
Accession No.	P02751
Predicted Molecular Weight	13.4kDa
Apparent Molecular Weight	14.4-18.4kDa, under reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.4.
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Background	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.

SDS-PAGE



M: Marker

1: Sample in reducing conditions

2: Sample in non-reducing conditions