

Product datasheet for **TP724801**

Fibronectin (FN1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Recombinant Human Fibronectin ED-B (N-His&Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu5-Thr95
Tag:	N-6His&Avi
Buffer:	Supplied as a 0.2 um filtered solution of 50mM Tris, 150mM NaCl, pH7.2.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	2335
UniProt ID:	P02751
Summary:	Fibronectin is a glycoprotein of the extracellular matrix that binds integrins. It binds to extracellular matrix components such as collagen, fibrin, and heparan sulfate proteoglycans. Multiple isoforms result from alternative mRNA splicing of the ED-A, ED-B, and III-CS regions, and post-translational modification. Fibronectin is critical for cell adhesion, growth, migration, and differentiation, as well as wound healing and embryonic development. Altered fibronectin expression, degradation, and organization are associated with pathologies, including cancer and fibrosis. Fragmentation of pericellular fibronectin and increased production by peritumoral stroma are early signs of malignant transformation in solid human tumors. Further investigations are encouraged to explore the potential importance of fibronectin production and breakdown during cancer progression.



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