

Product datasheet for **TP721170XL**

Fibronectin (FN1) (NM_054034) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human fibronectin 1 (FN1), transcript variant 7
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Pro1270-Ser1546&Ala1721-Thr2016
Tag:	Tag Free
Predicted MW:	62.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_473375
Locus ID:	2335
UniProt ID:	P02751
RefSeq Size:	2402
Cytogenetics:	2q35
RefSeq ORF:	1971
Synonyms:	CIG; ED-B; FINC; FN; FNZ; GFND; GFND2; LETS; MSF; SMDCF



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Summary:

This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined. [provided by RefSeq, Jan 2016]

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways:

ECM-receptor interaction, Focal adhesion, Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer