

Product datasheet for **AR00062PU-N**

Fibronectin Human Protein

Product data:

Product Type:	Native Proteins
Description:	Fibronectin human protein, 1 mg
Species:	Human
Protein Source:	Plasma
Concentration:	lot specific
Purity:	>95% pure (SDS-PAGE). Column chromatography
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 0.01M Tris-HCl, pH 7.4 containing 0.15M Sodium chloride
Preparation:	Liquid purified protein
Applications:	Suitable to promote the adhesion and propagation of cells in vitro when used to coat cell culture surfaces, including plasticware, glassware and microcarrier beads. After spin and opening of the vial, completely thaw the tube at 37°C without agitation, flicking or mixing, then gently mix the contents with a pipette.
Protein Description:	Human Fibronectin
Note:	Caution: Source material supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis with FDA approved test kits. All units were found to be non-reactive/negative for these tests. Nevertheless, all products from human sources should be handled as potentially infectious.
Storage:	Store the protein at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001293058
Locus ID:	2335
Cytogenetics:	2q35
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