

FN1

Native Human Fibronectin

Catalog No.	CSI19799A CSI19799B	Quantity:	1.0 mg 10 mg
Alternate Names:	FN, Cold-insoluble globulin, CIG		
Description:	Fibronectin is a high molecular weight glycoprotein (~440 kDa) of the extracellular matrix that binds to integrins, collagen, fibrin, and heparan sulfate proteoglycans. Fibronectin exists as a protein dimer, consisting of two nearly identical monomers linked by two disulfide bonds. Soluble plasma fibronectin is a major component of blood plasma and is produced in the liver by hepatocytes.		
UniProt ID:	P02751		
Gene ID:	2335		
Source:	Fresh human plasma, not frozen		
Molecular Weight:	220 kDa, monomer		
Formulation:	0.1 M TrisHCl Buffer, 0.15 M NaCl, pH 7.4.		
Concentration:	≥ 1.0 mg/ml, lot specific		
Extinction Coefficient:	$E^{0.1\%}_{280\text{nm}} = 1.28$		
Purity:	>95% by SDS-PAGE		
Handling Instructions:	Thaw the fibronectin by placing the vial in a 37 °C water bath and leaving it undisturbed until completely thawed. Do not disturb the vial at any time during the thawing process. If the vial is disturbed or removed prior to complete thawing, the fibronectin will form a gel and be unusable. Mix very gently with pipette after thawing. Vortexing, excessive agitation, repeated freezing and thawing of fibronectin are not recommended.		
Applications:	This product is an ideal reagent for tissue culture studies and protein-protein interactions.		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	Prepared from plasma shown to be non-reactive for HBsAg, HIV-1 RNA, HCV RNA, HBV DNA, and Syphilis, and negative for antibodies to HBc, HCV, HIV-1/2, and HTLV-I/II by FDA approved methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009.		

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