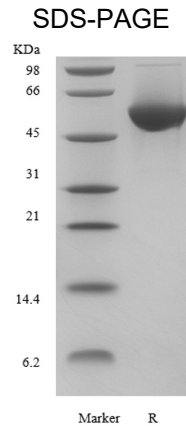


FN1

Recombinant Human Fibronectin Fragment GMP

Catalog No.	CRI165A-GMP	Quantity:	1.0 mg
Alternate Names:	Fibronectin, FN		
Description:	<p>Modified recombinant human fibronectin fragment can enhance retroviral-mediated gene transduction by aiding the co-localization of target cells and virions. Coated on the surface of cell culture dish, it significantly enhances the transfection ability of mammalian and insect cells; improves the efficiency of virus infection. The viral particle binds to the virus adhesion area (H-domain) of fibronectin, and target cells bind mainly through the interaction of cell surface integrin receptor VLA-5 and VLA-4 with the fibronectin C-domain and CS-1 site, respectively.</p> <p>The manufacturing and testing of Recombinant Human Fibronectin Fragment GMP complies with ICH Q7 guidelines.</p>		
UniProt ID:	P02751		
Source:	<i>E. coli</i>		
Molecular Weight:	62.2 kDa (574 aa) monomer		
Formulation:	Lyophilized from sterile filtered 20 mM Tris-HCl, 150 mM NaCl, 5% Trehalose, 0.02% Tween-20, pH 8.5.		
Purity:	> 95% by SDS-PAGE and HPLC analyses		
Endotoxin Level:	< 0.1 EU/μg as determined by LAL method. Host Cell Protein < 0.05% by ELISA		
Mycoplasma:	Negative		
Biological Activity:	Measured by its ability to support cell attachment and spreading when used as a substratum for cell culture. In this application, the recommended concentration for this effect is typically 1-5 μg/cm ² . Fibronectin can also be added to the media to support cell spreading at a concentration of 0.5-50 μg/mL		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled PBS to a concentration of 0.1-5.0 mg/ml. Further dilution should be made in appropriate buffered solutions.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, store at 2-8°C for up to 1 month or prepare working aliquots and store at -20°C to -80°C for up to 3 months. Avoid repeated freeze-thaw cycles.		



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