

产品名称: GMP Recombinant Human Fibronectin
产品货号: PEH90052

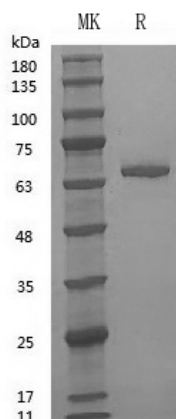


概述 (Summary)

英文全称	Fibronectin
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	≤ 10 EU/mg
蛋白构建 (Construction)	Recombinant Human Fibronectin is produced by our E coli expression system and the target gene encoding Pro1270-Ser1546&Ala1721-Thr2016 is expressed.
Accession #	P02751
蛋白标签 (Tag)	Tag free
表达宿主 (Host)	E coli
种属 (Species)	Human
预测分子量 (Predicted MW)	62.6 kDa
蛋白形态 (Form)	Lyophilized
储存缓冲液 (Buffer)	PBS, 5% mannitol and 0.01% Tween 80, pH7.4
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

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背景 (Background)

分子别名 (Alternative Names)

FN; Cold-insoluble globulin; CIG; FN; Fibronectin 1

背景介绍 (References)

Fibronectin (Fn) is a glycoprotein whose size ranges from 230 to 270 kDa and usually exists as a dimer, covalently linked by a pair of disulfide bonds at the C-termini. Each monomer consists of three repeating units: 12 Type I, 2 Type II, and 15–17 Type III domains which combined account for 90% of the FN sequence. The extracellular matrix (ECM) plays a key role as both structural scaffold and regulator of cell signal transduction in tissues. Fibronectin is one of the major ECM proteins in the trabecular meshwork (TM). It is found in the sheath material surrounding the elastin tendons that enter the TM from the ciliary muscle within the ciliary body. In times of ECM assembly and turnover, cells upregulate assembly of the ECM protein, FN. FN is assembled by cells into viscoelastic fibrils that can bind upward of 40 distinct growth factors and cytokines. These fibrils play a key role in assembling a provisional ECM during embryonic development and wound healing. Fibril assembly is also often upregulated during disease states, including cancer and fibrotic diseases.

注意事项 (Note)

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