

# Native Human Fibronectin protein ab80021

## 1 图像

### 描述

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产品名称	Native人Fibronectin蛋白
纯度	> 95 % SDS-PAGE. Purified from human plasma
表达系统	Native
Accession	<b><u>P02751</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Native
种属	Human
额外的序列信息	Molecular weight: the MW of the hetrodimer is 550 kDa

### 技术指标

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Our **Abpromise guarantee** covers the use of **ab80021** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
形式	Lyophilized

### 制备和贮存

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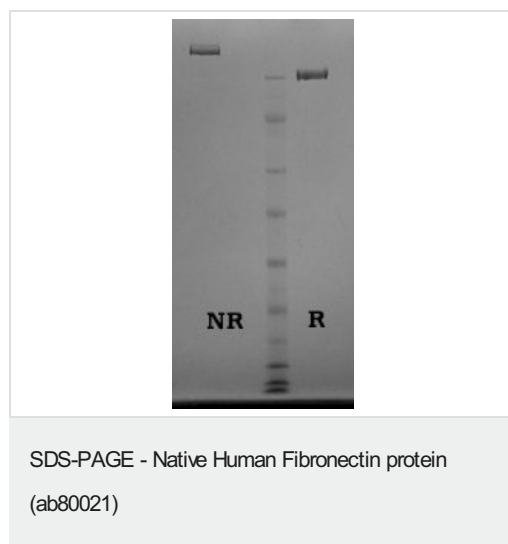
稳定性和存储	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles. pH: 7.40 Constituents: 0.476% HEPES, 0.87% Sodium chloride
复溶	Reconstitute with 1.0 milliliters of water to achieve 2.0 mg/mL. Human Fibronectin is known for its solubility issues. The best way to get this material into solution, after reconstitution, is to incubate in a 37°C water bath for at least 30 minutes. Typically this is sufficient, however a small amount of un-dissolved material may remain. If this is the case, a few gentle aspirations with a pipette is recommended.

### 常规信息

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<b>功能</b>	<p>Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization. Participates in the regulation of type I collagen deposition by osteoblasts.</p> <p>Anastellin binds fibronectin and induces fibril formation. This fibronectin polymer, named superfibronectin, exhibits enhanced adhesive properties. Both anastellin and superfibronectin inhibit tumor growth, angiogenesis and metastasis. Anastellin activates p38 MAPK and inhibits lysophospholipid signaling.</p>
<b>组织特异性</b>	<p>Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. Ugl-Y1, Ugl-Y2 and Ugl-Y3 are found in urine.</p>
<b>疾病相关</b>	<p>Glomerulopathy with fibronectin deposits 2</p>
<b>序列相似性</b>	<p>Contains 12 fibronectin type-I domains. Contains 2 fibronectin type-II domains. Contains 16 fibronectin type-III domains.</p>
<b>发展阶段</b>	<p>Ugl-Y1, Ugl-Y2 and Ugl-Y3 are present in the urine from 0 to 17 years of age.</p>
<b>翻译后修饰</b>	<p>Sulfated.</p> <p>It is not known whether both or only one of Thr-2064 and Thr-2065 are/is glycosylated.</p> <p>Forms covalent cross-links mediated by a transglutaminase, such as F13A or TGM2, between a glutamine and the epsilon-amino group of a lysine residue, forming homopolymers and heteropolymers (e.g. fibrinogen-fibronectin, collagen-fibronectin heteropolymers).</p> <p>Phosphorylated by FAM20C in the extracellular medium.</p> <p>Proteolytic processing produces the C-terminal NC1 peptide, anastellin.</p>
<b>细胞定位</b>	<p>Secreted, extracellular space, extracellular matrix.</p>

## 图片



**Gel:** Novex 4-12% Bis-Tris

**Load Load:** Human Fibronectin, 1 µg per lane in Non-reducing (NR) and reducing (R) conditions.

**Buffer:** MOPS

**MW Ladder:** Myosin (191 kDa), Phosphorylase B (97 kDa), BSA (64 kDa), Glutamic Dehydrogenase (51 kDa), Alcohol Dehydrogenase (39 kDa), Carbonic Anhydrase (28 kDa), Myoglobin Red (19 kDa), Lysozyme (14 kDa)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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