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Saisir le nom du produit, le numéro de lot, etc.

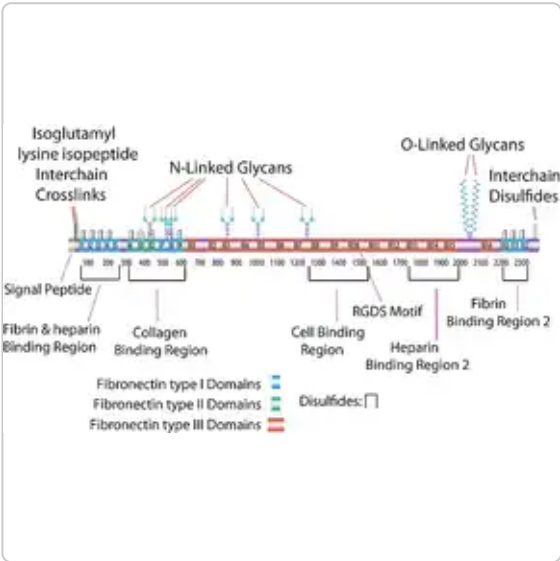


F4759 ▶ Sigma-Aldrich®

Fibronectin bovine plasma

★★★★★ (0)

powder, BioReagent, suitable for cell culture



Toutes les photos (1)

Synonyme(s):
Fibronectin

Numéro EC:
289-149-2

Numéro MDL:
MFCD00131062

eCl@ss:
42020141

NACRES:
NA.75

Select an Option

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1 MG

257,00 €



Date d'expédition estimée le 10 octobre 2022 - [De](#)

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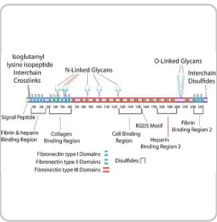
- Documents
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FDS
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COO/COA
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Fiche des caractéristiques
- Plus de documents >>

PRODUITS RECOMMANDÉS



Sigma-Aldrich

F1141

Fibronectin bovine plasma

solution, sterile-filtered, BioReagent, suitable for cell culture

[Consulter le prix et la disponibilité](#)

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Source biologique
bovine plasma

Niveau de qualité
200

Stérilité
sterile

Gamme de produits
BioReagent

Forme
powder

Poids mol.
~450 kDa

Conditionnement
pkg of 1 mg
pkg of 2 mg
pkg of 5 mg

technique(s)
cell culture | mammalian: suitable

Couverture de la surface
1-5 µg/cm²

Solubilité
H₂O: 1 mg/mL at 37 °C (Store reconstituted solution in working aliquots at -20°C or lower.)

Expédié(e)s dans
dry ice

Temp. de stockage
-20°C

Gene Information
bovine ... [FN1\(2807940\)](#)

Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

Catégories apparentées

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DESCRIPTION

Description générale

Fibronectin (FN) is a multifunctional glycoprotein, the gene of which is localized to human chromosome 2q34-36. This gene spans 75kb and contains 50 exons. It exists as two major isoforms, one soluble and one insoluble form. The former is present in plasma, whereas the insoluble form resides in tissues and extracellular matrix (ECM) of cartilage. There are around 20 different forms of FN due to alternative splicing of a variable region and two type III exons called Extra Domains A and B.

Fibronectin is a glycoprotein with multiple domains. It comprises a N-terminal, central binding domain and a heparin-binding domain. Bovine plasma fibronectin has polypeptide chains with disulfide linkage and corresponds to a molecular weight of 220 and 215 kDa.

Application

Fibronectin from bovine plasma is used for the following applications:

- Used for coating the glass coverslips for the culture of decidual stromal cells (DEC)
- Cell movement assays (culture plates were coated with fibronectin)
- Cell spreading and immunofluorescence
- Protein specificity
- Integration of sensor films into microfluidic chips
- Histological and Immunohistochemical (IHC) analyses
- Used in primary cell cultures from patients with lung carcinoma

Actions biochimiques/physiologiques

Fibronectin is a regulator of protein scaffolding. It coordinates cellular processes like platelet functions, wound-healing, adhesion, migration and aggregation.

Attention

As supplied, this product should be stored at -20°C and will remain active for at least 2 years.

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

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Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

Fiche D'informations Produit

[Product Information Sheet - F4759](#)

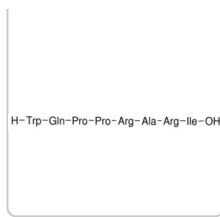
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Sigma-Aldrich

F3667

Fibronectin Adhesion-promoting Peptide

≥95% (HPLC)

H-Tip-Gln-Pro-Pro-Arg-Ala-Arg-Ile-OH

[Consulter le prix et la disponibilité](#)

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ARTICLES REVUS PAR DES PAIRS

Rapid and Localized Mechanical Stimulation and Adhesion Assay: TRPM7 Involvement in Calcium Signaling and Cell Adhesion.

Wagner Shin Nishitani et al.

PloS one, 10(5), e0126440-e0126440 (2015-05-07)

A cell mechanical stimulation equipment, based on cell substrate deformation, and a more sensitive method for measuring adhesion of cells were developed. A probe, precisely positioned close to the cell, was capable of a vertical localized mechanical stimulation with a

Macrophage functions are regulated by the substratum of murine decidual stromal cells.

R W Redline et al.

The Journal of clinical investigation, 85(6), 1951-1958 (1990-06-01)

Because of their paternal antigens, the fetus and placenta may be considered an allograft in the maternal host. Local properties of the maternal-fetal interface, the placenta and decidua basalis, are important in preventing maternal immunologic rejection of the fetoplacental allograft.

Decoy receptor-2 small interfering RNA (siRNA) strategy employing three different siRNA constructs in combination defeats adenovirus-transferred tumor necrosis factor-related apoptosis-inducing ligand resistance in lung cancer cells.

Cigdem Aydin et al.

Human gene therapy, 18(1), 39-50 (2006-12-26)

Tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) selectively induces apoptosis in cancer cells but not in normal cells. However, studies have indicated that more than half of human tumors exhibit TRAIL resistance. Although the mechanism of TRAIL resistance is not

A High-Throughput Microfluidic Platform for Mammalian Cell Transfection and Culturing.

Kristina Woodruff et al.

Scientific reports, 6, 23937-23937 (2016-04-01)

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Microfluidic oxygen imaging using integrated optical sensor layers and a color camera.

Birgit Ungerböck et al.

Lab on a chip, 13(8), 1593-1601 (2013-02-28)

In this work we present a high resolution oxygen imaging approach, which can be used to study 2D oxygen distribution inside microfluidic environments. The presented setup comprises a fabrication process of microfluidic chips with integrated luminescent sensing films combined with

[Afficher tous les articles scientifiques apparentés](#)

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Fibronectin

Fibronectin (FN) is a multifunctional, extracellular plasma glycoprotein produced by hepatocytes that circulates at near micromolar concentration and assembles into extracellular matrix fibrils at cell surfaces along with locally...

Cancer Stem Cells: Targets for Cancer Therapy

Cancer stem cell media, spheroid plates and cancer stem cell markers to culture and characterize CSC populations.

Extracellular Matrix Proteins and Tools for Cell Culture Optimization

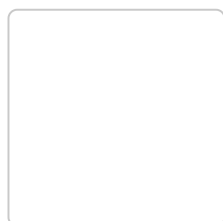
Extracellular matrix proteins such as laminin, collagen, and fibronectin can be used as cell attachment substrates in cell culture.

Protocoles

Fibronectin Coating Protocol

Dilute fibronectin to the desired concentration. Optimum conditions for attachment are dependent on cell type and application. The typical coating concentration is 1 – 5 µg/cm². Fibronectin coating protocol, products, and FAQs.

PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

F4680

Fluoromount™ Aqueous Mounting Medium

for use with fluorescent dye-stained tissues

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Évaluations

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Questions

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