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Datasheet for ABIN7318495 Fibronectin Protein

Overview

Quantity:	50 µg
Target:	Fibronectin
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human Fibronectin/FN Protein (Active)
Sequence:	Pro1270-Ser1546&Ala1721-Thr2016
Characteristics:	Recombinant Human Fibronectin fragment is produced by our E.coli expression system and the target gene encoding Pro1270-Ser1546&Ala1721-Thr2016 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to support cell attachment and spreading when used as a substratum for cell culture. The ED50 for this effect is 0.1-0.5 ug/ml.

Target Details

Target:	Fibronectin
Alternative Name:	Fibronectin/FN (Fibronectin Products)

Target Details

Background: Background: Fibronectin1(FN1) is a secreted protein and contains 12 fibronectin type-I domains, fibronectin type-II domains and 16 fibronectin type-III domains. Recombinant human fibronectin fragment, is a protein of ~63 kDa containing a central cell-binding domain, a high affinity heparin-binding domain II, and CS1 site within the alternatively spliced III CS region of human fibronectin. Cells bind to a VLA-4 ligand, a CS-I site, and a VLA-5 ligand, a cell attachment domain, and virus vectors binds to a heparin binding domain II, which co-locates the cell and the virus vector on NovoNectin. This process enhances the density of both cells and vectors, and facilitates the gene transduction in the result.

Synonym: Fibronectin, FN1, CIG, ED-B, FINC, FN, FNZ, GFND, GFND2, LETS, MSF

Molecular Weight: 62.7 kDa

UniProt: [P02751](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 12.5 mM Sodium Citrate, 1.25 % Sucrose, pH 6.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.