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Datasheet for ABIN2115447

Fibronectin Protein (AA 1270-1546, AA 1721-2016)

Overview

Quantity:	50 µg
Target:	Fibronectin
Protein Characteristics:	AA 1270-1546, AA 1721-2016
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Fibronectin Fragment/RetroNectin/NovoNectin
Sequence:	<p>MPTDLRFTNI GPDTMRVTWA PPPSIDLTNF LVRYSVPKNE EDVAELSISP SDNAVVLTNL LPGTEYVSV SSVYEQHEST PLRGRQKTGL DSPTGIDFSD ITANSFTVHW IAPRATITGY RIRHHPEHFS GRPREDRVPH SRNSITLTNL TPGTEYVSI VALNGREESP LLIGQQSTVS DVPRDLEVA ATPTSLLISW DAPAVTVRYR RITYGETGGN SPVQEFTVPG SKSTATISGL KPGVDYTITV YAVTGRGDSP ASSKPISINY RTEIDKPSMA IPAPTDLKFT QVTPTSLSAQ WTPPNVQLTG YRVRVTPKEK TGPMKEINLA PDSSSVVSG LMVATKYEVS VYALKDTLTS RPAQGVVTTL ENVSPRRAR VTDATETTIT ISWRTKTETI TGFQVDAVPA NGQTPIQRTI KPDVRSYTIT GLQPGTDYKI YLYTLNDNAR SSPVIDAST AIDAPSNLRF LATTPNSLLV SWQPPRARIT GYIIKYEKPG SPPREVVPRP RPGVTEATIT GLEPGTEYTI YVIALKNNQK SEPLIGRKKT DELPQLVTLP HPNLHGPEIL DVPST</p>
Characteristics:	Recombinant Human Fibronectin fragment/RetroNectin is produced with our E. coli expression system. The target protein is expressed with sequence (Pro1270-Ser1546&Ala1721-Thr2016) of Human Fibronectin.

Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Fibronectin
Abstract:	Fibronectin Products
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 (type III repeat, 8, 9, 10), a high affinity heparin-binding domain II (type III repeat, 12, 13, 14), 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 RetroNectin. " Synonyms: Fibronectin, Retronectin, CIG, FN, Cold-insoluble globulin
Molecular Weight:	62.7 kDa
UniProt:	P02751

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.