Active Recombinant Human FN1

Cat. No. FN1-108H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1270-1546;1721-2016 a.a.
Description	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.
Form	Lyophilized from a 0.2 μM filtered solution of PBS, pH7.4.
Bio-activity	< 700="" ng/ml(jurkat="">
Endotoxin	Less than 0.1 EU/μg.

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Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at< -20°c,="" though="" stable="" at="" room="" temperature="" for="" 3="">Reconstituted protein solution can be stored at 4-7°C for 2-7 days.Aliquots of reconstituted samples are stable at< -20°c="" for="" 3="">
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in 1X PBS.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	FN1 fibronectin 1 [Homo sapiens]
Official Symbol	FN1
Synonyms	FN1; fibronectin 1; fibronectin; CIG; cold insoluble globulin; FINC; GFND2; LETS; migration stimulating factor; MSF; cold-insoluble globulin; migration-stimulating factor; FN; FNZ; ED-B; GFND; DKFZp686H0342; DKFZp686I1370; DKFZp686F10164; DKFZp686O13149;
Gene ID	2335
mRNA Refseq	NM_002026
Protein Refseq	NP_002017
MIM	135600
UniProt ID	P02751

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Chromosome Location	2q34
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem;
Function	collagen binding; extracellular matrix structural constituent; heparin binding; protein binding;

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