

32-8324: Recombinant Human Fibronectin Fragment/NovoNectin

Gene : FN1
Gene ID : 2335
Uniprot ID : P02751

Description

Source: E.coli.
MW :62.7kD.

Recombinant Human Fibronectin fragment is produced by our E.coli expression system and the target gene encoding Pro1270-Ser1546&Ala1721-Thr2016 is expressed. 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.

Product Info

Amount : 10 µg / 50 µg
Content : 0.5mg/mL in a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : Protein should be stored at -20°C, though stable at room temperature for 3 weeks.
Amino Acid : MPTDLRFTNIGPDTMRVTWAPPPSIDLTNFLVRYSPVKNEEDVAELSISPSDNAVLTNLLPGTEYVVSVSSEYEQHESTPLRGRQKTGLDSPTGIDFSDITANSFTVHWIAPRATITGYRIRHHPEHFSGRPREDRVPHSRNSITLTNLT
PGTEYVVSIVALNGREESPLLIGQQSTVSDVPRDLEVVAATPTSLISWDAPAVTVRYRITYGETGGNSPVQEF
VPGSKSTATISGLKPGVDYITVYAVTGRGDSPASSKPISINYRTEIDKPSMAIPAPDLKFTQVTPTSLAQWTP
NVQLTGYRVRVTPKEKTGPMKEINLAPDSSSVVSGLMVATKYEVSVYALKDTLTSRPAQGVVTTLENSPPRR
ARVTDATETTITISWRKTETITGFQVDAVPANGQTPIQRTIKPDVRSYITGLQPGTDYKIYLYTLNDNARSSPV
IDASTAIDAPSNLRF LATT P NSLLVSWQPPRARITGYIIKYEKPGSPPREVVPRPRPGVTEATITGLEPGTEYIYVIA
LKNNQKSEPLIGRKKTDQLVTLPHPNLHGPEILDVPST

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.