Product name
Fibronectin

Species
Human

Host Species/Expression System
E.coli

Description
Recombinant Human Fibronectin/FN/FN1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Pro1270-Ser1546 & Ala1721-Thr2016) of human Fibronectin/FN/FN1 (Accession #P02751)

Amino acid sequence:
MPTDLRFTNIGPDTMRVTWAPPPSIDLTNFLVRYSPVKNEEDVAELSISPSDNAV
VLTNLLPGTEYVVSVSSVYEQHESTPLRGRQKTGLDSPTGIDFSDITANSFTVH
WIAPRATITGYRIRHHPEHFSGRPREDRVPHSRNSITLTNLTPGTEYVVSIVALN
GREESPLLIGQQSTVSDVPRDLEVVAATPTSLLISWDAPAVTVRYYRITYGETG
GNSPVQEFTVPGSKSTATISGLKPGVDYTITVYAVTGRGDSPASSKPISINYRTEI
DKPSMAIPAPTDLKFTQVTPTSLSAQWTPPNVQLTGYRVRVTPKEKTGPMKEI
NLAPDSSSVVVSGLMVATKYEVSVYALKDTLTSRPAQGVVTTLENVSPPRRAR
VTDATETTITISWRTKTETITGFQVDAVPANGQTPIQRTIKPDVRSYTITGLQPG
TDYKIYLYTLNDNARSSPVVIDASTAIDAPSNLRFLATTPNSLLVSWQPPRARIT
GYIIKYEKPGSPPREVVPRPRPGVTEATITGLEPGTEYTIYVIALKNNQKSEPLI
GRKKTDELPQLVTLPHPNLHGPEILDVPSTHHHHHH

Molecular weight
63.5 kDa

Purity
≥ 95 % by SDS-PAGE analysis

Format
Lyophilized protein

Biological Activity：Measure by its ability to support cell attachment and spreading when used as a substratum for cell culture. In this application, the recommended concentration for this effect is typically 1-5 μg/ cm^2. Fibronectin can also be added to the media to support cell spreading at a concentration of 0.5-50μg/ mL.

Physical Appearance：White lyophilized powder

Endotoxin：Less than 1.0 EU/μg of Fibronectin as determined by LAL method.

Formulation

20 mM Tris-HCl, pH 8.0, 250 mM NaCl, with sucrose

Reconstitution：

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile 20 mM Tris-HCl, pH 8.0, 250 mM NaCl buffer or PBS buffer to a concentration of 0.1-10 mg/mL. Stock solutions should be apportioned into working aliquots and store at ≤ -20℃. Future dilutions should be made in appropriate buffered solution.

Storage condition：

Store the lyophilized protein at -20℃ to -80℃ for lone term. After reconstitution, the protein solution is stable at -20℃ for 3 month, at 2-8℃ for up to 1 week. **Avoid repeated freeze/thaw cycles.**