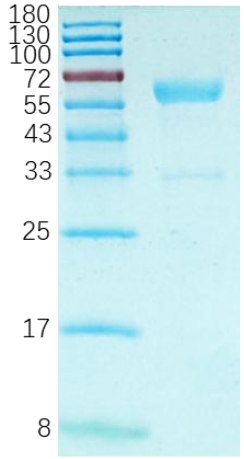
# Recombinant Human Fibronectin Protein (Tag free)

EGPS051D

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| **Catalog Number:** | EGPS051D-50, EGPS051D-100 |
| **CiteID#:** | EN5597103, EN5597104 |
| **Amount:** | 50ug, 100ug |
| **Other names:** | Fibronectin; FN; Cold-insoluble globulin; CIG; fFN; Fibronectin 1 |
| **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. |
| **Expression system:** | fFN，produced in E.coli is a single non-glycosylated polypeptide chain containing 574 amino acids. A fully biologically active molecule has a molecular mass of 62.6 kDa. The apparent molecular mass of the protein is approximately 63 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques. |
| **Species:** | Human |
| **Source:** | E. coli |
| **Amino acid sequence:** | MPTDLRFTNIGPDTMRVTWAPPPSIDLTNFLVRYSPVKNEEDVAELSISPSDNAVVLTNLLPGT EYVVSVSSVYEQHESTPLRGRQKTGLDSPTGIDFSDITANSFTVHWIAPRATITGYRIRHHPE HFSGRPREDRVPHSRNSITLTNLTPGTEYVVSIVALNGREESPLLIGQQSTVSDVPRDLEVVA ATPTSLLISWDAPAVTVRYYRITYGETGGNSPVQEFTVPGSKSTATISGLKPGVDYTITVYAVT GRGDSPASSKPISINYRTEIDKPSAIPAPTDLKFTQVTPTSLSAQWTPPNVQLTGYRVRVTPK EKTGPMKEINLAPDSSSVVVSGLMVATKYEVSVYALKDTLTSRPAQGVVTTLENVSPPRRAR VTDATETTITISWRTKTETITGFQVDAVPANGQTPIQRTIKPDVRSYTITGLQPGTDYKIYLYTLN DNARSSPVVIDASTAIDAPSNLRFLATTPNSLLVSWQPPRARITGYIIKYEKPGSPPREVVPRP RPGVTEATITGLEPGTEYTIYVIALKNNQKSEPLIGRKKTDELPQLVTLPHPNLHGPEILDVPST |
| **Accession #:** | P02751 |
| **Molecular Weight:** | 62.6kDa. The apparent molecular mass of the protein is approximately 63kDa observed by reducing SDS-PAGE. |
| **Purity:** | > 90% as analyzed by SDS-PAGE. The concentration is 0.87mg/ml. |
| **Formulation:** | Purified protein solution after extensive dialysis against 20mM Tris，150mM NaCl，pH 8.0. |
| **Endotoxin:** | Less than 0.2 EU/μg determined by LAL test. |
| **Storage/Stability:** | Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

**For Research Use Only**




SDS-PAGE of Fibronectin (Cat#:EGPS051D).