

# Recombinant Human FN1 protein

**Cat. No.** FN1-96H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full-length third FN-III domain of Human fibronectin cDNA, fused with 206 aa of human Alpha fetal protein (AFP) at N-terminal was expressed in E. coli.                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | 1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MTLHRNEYGIASILDSYQCTAEISLADLATIFFAQFVQEATYKEVSKMVKDALTAIEKP<br>TGDEQSSGCLNQLPA FLEELCHEKEILEKYGHSDCCSQSEEGRHNCFLAHKKPTP<br>ASIPLFQVPEPVTSCAEYEEDRETFMNKFIYEIAR RHPFLYAPTILLWAARYDKIIPSC<br>CKAENAVECFQTKAATVTKELRESSGGSNIEFAVPPPTDLRFTNIGPD TMR VTWAP<br>PPSIDLTNFLVRYSPVKNEE DVAELSISPSDNAVVLTNLLPGTEYVVS SVSSVYE QHES<br>TPLRGRQKT |
| <b>Purity</b>           | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | 1. May be used for in vitro human ES lineage specific differentiation regulations study coating with this protein.2. May be used for in vitro protein-protein interaction mapping.3. As antigen for specific antibody production.                                                                                                    |
| <b>Storage</b>          | Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 15 days.                                                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | FN1 fibronectin 1 [ Homo sapiens ]                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>     | FN1                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | 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;                         |
| <b>Gene ID</b>             | 2335                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_002026                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | NP_002017                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | 135600                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | P02751                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 2q34                                                                                                                                                                                                                                                                                   |
| <b>Pathway</b>             | 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 |
| <b>Function</b>            | collagen binding; extracellular matrix structural constituent; heparin binding; protein binding;                                                                                                                                                                                       |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA