

## Active Recombinant Human Fibronectin Protein, 1358aa-2301aa, C-His tagged

**Cat. No.** FN1-10H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FN1 Protein (1358aa-2301aa) with C-His tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1358aa-2301aa                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Fibronectin is utilized in T cell culture as a substrate to enhance adhesion, proliferation, and activation of T cells. By mimicking the extracellular matrix, fibronectin promotes T cell attachment and facilitates signaling pathways crucial for T cell function and survival. This application is vital for studying T cell biology, immunotherapy development, and understanding immune responses in various diseases. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Bio-activity</b>     | T-cell proliferation and activation activity                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | VPPPTDLRFTNIGPDTMRVTWAPPPSIDLTNFLVRYSPAKNEEDVAELSISPSDNAVV<br>LTNLLPGTEYVVS SVSSVYEQHESTPLRGRQKTGLDSPTGIDFSDITANSFTVHWIAPR<br>ATITGYRIRHHPEHFSGRPREDRVPHSRNSITLTNLTGTEYVVSIVALNGREESPLLI<br>GQQSTVSDVPRDLEVVAATPTSL LISWDAPAVTVRYRITYGETGGNSPVQEFTVPG                                                                                                                                                                        |

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SKSTATISGLKPGVDYTITVYAVTGRGDSPASSKPISINYRTEILVQTAVTTIPAPTDLK  
 FTQVTPTSLSAQWTPPNVQLTGYRVRVTPKEKTGPMKEINLAPDSSSVVVSGLMVA  
 TKYEVSVYALKDTLTSRPAQGVVTTLENVSPRRARVTDATETTITISWRTKTETITG  
 FQVDAVPANGQTPIQRTIKPDVRSYTITGLQPGTDYKIYLYTLNDNARSSPVVIDASTA  
 IDAPSNLRFLATTPNSLLVSWQPPRARITGYIKEYEKGSPPREVVPRPRPGVTEATIT  
 GLEPGTEYTIYVIALKNNQKSEPLIGRKKTGQEALSQTTISWAPFQDTSEYIISCHPVG  
 TDEEPLQFRVPGTSTSATLTGLTRGATYNIIVEALKDQQRHKVREEVTVGNSVNEG  
 LNQPTDDSCFDPYGGGGSHHHHHHHHHH\*

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| <b>Endotoxin</b>      | ≤ 0.25 EU/mg by the LAL method                    |
| <b>Purity</b>         | > 95% determined by SDS-PAGE (Reduced)            |
| <b>Storage Buffer</b> | 12.5 mM sodium citrate (pH 6.2) and 1.25% sucrose |

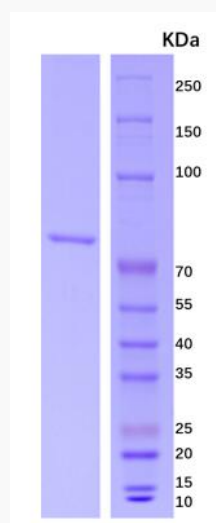
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FN1 fibronectin 1 [ Homo sapiens (human) ]                                                                                                                                                                                                                    |
| <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                                                                                                                                                                                                                                                     |

MIM 135600

UniProt ID P02751

SDS-PAGE



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