

Recombinant Human FN1 Protein, His tagged

Cat. No. FN-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FN1 Protein (1358-2301 aa) with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1358-2301 aa
Description	This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined.
Form	Liquid, 12.5 mM sodium citrate (pH 6.2) and 1.25% sucrose.
AASequence	VPPPTDLRFTNIGPDTMRVTWAPPPSIDLTNFLVRYSPAKNEEDVAELSISPSDNAVV LTNLLPGTEYVVS SVSSVYE QHESTPLRGRQKTGLDSPTGIDFSDITANSFTVHWIAPR ATITGYRIRHHPEHFSGRPREDRVPHSRNSITLTNLTGTEYVVSIVALNGREESPLLI GQQSTVSDVPRDLEVVAATPTSL LISWDAPAVTVRYRITYGETGGNSPVQEFTVPG

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SKSTATISGLKPGVDYTITVYAVTGRGDSPASSKPISINYRTEILVQTAVTTIPAPTDLK
FTQVTPTSLSAQWTPPNVQLTGYRVRVTPKEKTGPMKEINLAPDSSSVVVSGLMVA
TKYEVSVYALKDTLTSRPAQGVVTTLENVSPRRARVTDATETTITISWRTKTETITG
FQVDAVPANGQTPIQRTIKPDVRSYITITGLQPGTDYKIYLYTLNDNARSSPVVIDASTA
IDAPSNLRFLATTPNSLLVSWQPPRARITGYIIKEYKPGSPPREVVPRPRPGVTEATIT
GLEPGTEYTIYVIALKNNQKSEPLIGRKKTGQEALSQTTISWAPFQDTSEYIISCHPVG
TDEEPLQFRVPGTSTSATLTGLTRGATYNIIVEALKDQQRHKVREEVTVGNSVNEG
LNQPTDDSCFDPYGGGGSHHHHHHHHHH*

Endotoxin ≤ 0.25 EU/mg by the LAL method

Purity >95% determined by SDS-PAGE (Reduced)

GENE INFORMATION

Gene Name FN1 fibronectin 1 [Homo sapiens (human)]

Official Symbol FN1

Synonyms 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

Gene ID 2335

mRNA Refseq NM_002026

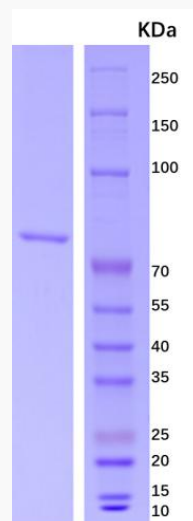
Protein Refseq NP_002017

MIM 135600

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UniProt ID
P02751
SDS-PAGE


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.

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