

## Recombinant Human Fibronectin III 8-10, 13, GST-tagged

Cat. No. FN1-107H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	This recombinant FN fragment corresponds to amino acids 1235-1509 of type-III 8-10, joined to 1782-1870 of type-III 13 by an ID linker. This fragment contains the complete integrin binding region of the peptide, required for cell binding and adhesion, as well as the C-terminal heparin binding domain region.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Protein Length</b>	1235-1509 a.a.
<b>Description</b>	Fibronectins (FN) are a family of high molecular weight, multidomain glycoproteins composed of two structurally similar subunits which are joined at the carboxyl terminus by disulfide bonds. The primary structure of FN is organized into three types of repeating homologous units, termed types I, II, and III. These modules in turn are organized into functional domains which have been shown to contain multiple binding sites, including those for sulfated glycosaminoglycans, gelatin, fibrin, and cell surface integrin receptors. Twelve type I modules are found grouped at the amino- and carboxyl-terminal regions, and two type II modules are located within the gelatin-binding region. Fifteen to seventeen type III modules are contained within the middle of the molecule and comprise 60% of fibronectin's sequence.
<b>Molecular Mass</b>	66364.3 Da
<b>AA Sequence</b>	AVPPPTDLRFTNIGPDTMRVTWAPPPSIDLTNFLVRYSPVKNEEDVAELSISPSDNAV

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VLTNLLPGTEYVVS SVSS VYEQHESTPLRGRQKTGLDSPTGIDFSDITANSFTVHWIA  
 PRATITGYRIRHHPEHFSGRPREDRVPHSRNSITL TNLTPGTEYVVSIVALNGREESP  
 LLIGQQSTVSDVPRDLEVVAATPTSL LISWDAPAVTVRYRITYGETGGNSP VQEFT  
 VPGSKSTATISGLKPGVDYITVYAVTGRGDSPASSKPISINYRT\*ID\*NVSPPRRARV  
 TDATE TTTIS WRTKTETITGFQVDAVPANGQTPIQRTIKPDVRSYTITGLQPGTDYKI  
 YLYTLNDNARSSPVVIDAST

**Purity** > 90% by SDS-PAGE

**Storage** Store at -80°C

**Concentration** 4.0 mg/ml

**Storage Buffer** Solution in PBS

**Shipping** Dry Ice

## GENE INFORMATION

**Gene Name** FN1 fibronectin 1 [ Homo sapiens ]

**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

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<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; Angiotensin receptor Tie2-mediated signaling, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem;
<b>Function</b>	collagen binding; extracellular matrix structural constituent; heparin binding; protein binding;

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