

Human FN1 Knockdown Cell Lysate

Cat. No. FN1-166HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated FN1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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	Cell-Tissue Lysis buffer
Molecular Mass	263 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg FN1 KD HeLa cell lysate
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways	ECM-receptor interaction, Focal adhesion, Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer
Lysate QC	RT-qPCR; Western Blotting (WB)

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

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MIM	135600
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UniProt ID	P02751
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