

Human DSP Knockdown Cell Lysate

Cat. No. DSP-145HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DSP Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a protein that anchors intermediate filaments to desmosomal plaques and forms an obligate component of functional desmosomes. Mutations in this gene are the cause of several cardiomyopathies and keratodermas, including skin fragility-woolly hair syndrome. Alternative splicing results in multiple transcript variants.
Form	Cell-Tissue Lysis buffer
Molecular Mass	332 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.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg DSP KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Arrhythmogenic right ventricular cardiomyopathy (ARVC)
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	DSP desmoplakin [Homo sapiens (human)]
Official Symbol	DSP
Synonyms	DSP; desmoplakin; desmoplakin (DPI, DPII); DPI; DPII; KPPS2; PPKS2; desmoplakin I; desmoplakin II; 250/210 kDa paraneoplastic pemphigus antigen; DP;
Gene ID	1832
mRNA Refseq	NM_001008844
Protein Refseq	NP_001008844
MIM	125647
UniProt ID	P15924

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