

Human DSC1 Knockdown Cell Lysate

Cat. No. DSC1-144HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DSC1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. A subtype of IgA pemphigus, a life-threatening autoimmune disease, is characterized by the presence of autoantibodies that target the encoded protein. The desmosomal family members are arranged in two clusters on chromosome 18. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature protein.
Form	Cell-Tissue Lysis buffer
Molecular Mass	100 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 DSC1 KD HeLa cell lysate
Protein Families	Transmembrane
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	DSC1 desmocollin 1 [Homo sapiens (human)]
Official Symbol	DSC1
Synonyms	DSC1; desmocollin 1; desmocollin-1; CDHF1; cadherin family member 1; desmosomal glycoprotein 2/3; DG2/DG3;
Gene ID	1823
mRNA Refseq	NM_004948
Protein Refseq	NP_004939
MIM	125643
UniProt ID	Q08554

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