

Human DSG2 Knockdown Cell Lysate

Cat. No. DSG2-340HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DSG2 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule superfamily of proteins. Desmogleins are calcium-binding transmembrane glycoprotein components of desmosomes, cell-cell junctions between epithelial, myocardial, and other cell types. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This gene is present in a gene cluster with other desmoglein gene family members on chromosome 18. Mutations in this gene have been associated with arrhythmogenic right ventricular dysplasia, familial, 10.
Form	Cell-Tissue Lysis buffer
Molecular Mass	122 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.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg DSG2 KD HeLa cell lysate
Protein Families	Transmembrane
Protein Pathways	Arrhythmogenic right ventricular cardiomyopathy (ARVC)
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	DSG2 desmoglein 2 [Homo sapiens (human)]
Official Symbol	DSG2
Synonyms	DSG2; desmoglein 2; desmoglein-2; CDHF5; HDGC; cadherin family member 5; ARVC10; ARVD10; CMD1BB; MGC117034; MGC117036; MGC117037;
Gene ID	1829
mRNA Refseq	NM_001943
Protein Refseq	NP_001934
MIM	125671
UniProt ID	Q14126

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