

Product datasheet for **KN218822RB**

Desmoplakin (DSP) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD

Symbol: Desmoplakin

Locus ID: 1832

Components: **KN218822G1**, Desmoplakin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN218822G2, Desmoplakin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN218822RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.
GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq: [NM_001008844](#), [NM_001319034](#), [NM_004415](#)

UniProt ID: [P15924](#)

Synonyms: DCWHKTA; DP; DPI; DPII

Summary: 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. [provided by RefSeq, Jan 2016]



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Product images:

