

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

1136- Desmoplakin-GFP

RRID:Addgene_32227

Type: Plasmid

Proper Citation

RRID:Addgene_32227

Plasmid Information

URL: <http://www.addgene.org/32227>

Proper Citation: RRID:Addgene_32227

Insert Name: Desmoplakin

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16365169](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: 1136- Desmoplakin-GFP

Record Creation Time: 20220422T222140+0000

Record Last Update: 20260725T074549+0000

Ratings and Alerts

No rating or validation information has been found for 1136- Desmoplakin-GFP.

No alerts have been found for 1136- Desmoplakin-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Li Y, et al. (2025) The Desmoglein 2 interactome in primary neonatal cardiomyocytes. bioRxiv : the preprint server for biology.

Rathod M, et al. (2024) DPM1 modulates desmosomal adhesion and epidermal differentiation through SERPINB5. The Journal of cell biology, 223(4).

Bharathan NK, et al. (2023) Architecture and dynamics of a desmosome-endoplasmic reticulum complex. Nature cell biology, 25(6), 823.

Sadhanasatish T, et al. (2023) A molecular optomechanics approach reveals functional relevance of force transduction across talin and desmoplakin. Science advances, 9(25), eadg3347.

Ha J, et al. (2022) Intermediate cells of in vitro cellular reprogramming and in vivo tissue regeneration require desmoplakin. Science advances, 8(43), eabk1239.

Wanuske MT, et al. (2021) Clustering of desmosomal cadherins by desmoplakin is essential for cell-cell adhesion. Acta physiologica (Oxford, England), 231(4), e13609.

Fülle JB, et al. (2021) Desmosome dualism - most of the junction is stable, but a plakophilin moiety is persistently dynamic. Journal of cell science, 134(21).

Badu-Nkansah KA, et al. (2020) Proteomic analysis of desmosomes reveals novel components required for epidermal integrity. Molecular biology of the cell, 31(11), 1140.

Li P, et al. (2019) Nuclear localization of Desmoplakin and its involvement in telomere maintenance. International journal of biological sciences, 15(11), 2350.

Ng R, et al. (2019) Patient mutations linked to arrhythmogenic cardiomyopathy enhance calpain-mediated desmoplakin degradation. JCI insight, 5(14).

Polivka L, et al. (2018) Epithelial barrier dysfunction in desmoglein-1 deficiency. The Journal of allergy and clinical immunology, 142(2), 702.

Price AJ, et al. (2018) Mechanical loading of desmosomes depends on the magnitude and orientation of external stress. Nature communications, 9(1), 5284.

Wang F, et al. (2018) Keratin 6 regulates collective keratinocyte migration by altering cell-cell and cell-matrix adhesion. The Journal of cell biology, 217(12), 4314.

Roberts B, et al. (2017) Systematic gene tagging using CRISPR/Cas9 in human stem cells to illuminate cell organization. Molecular biology of the cell, 28(21), 2854.

Bartle EI, et al. (2017) Desmoglein 3 Order and Dynamics in Desmosomes Determined by Fluorescence Polarization Microscopy. Biophysical journal, 113(11), 2519.