

# Resource Summary Report

Generated by [RRID](#) on Aug 25, 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:** 20260815T081339+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 16 mentions in open access literature.

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

Li Y, et al. (2026) The desmoglein 2 interactome in primary neonatal cardiomyocytes. *Journal of cell science*, 139(3).

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.