

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

dClover2-C1

RRID:Addgene_54577

Type: Plasmid

Proper Citation

RRID:Addgene_54577

Plasmid Information

URL: <http://www.addgene.org/54577>

Proper Citation: RRID:Addgene_54577

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26879144](https://pubmed.ncbi.nlm.nih.gov/26879144/)

Vector Backbone Description: Backbone Size:4750; Vector Backbone:dClover2-C1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 505; Emission = 515

Plasmid Name: dClover2-C1

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260808T081831+0000

Ratings and Alerts

No rating or validation information has been found for dClover2-C1.

No alerts have been found for dClover2-C1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Regan SB, et al. (2025) Megabase-scale loss of heterozygosity provoked by CRISPR-Cas9 DNA double-strand breaks. *Molecular cell*, 85(22), 4119.

Buenaventura A, et al. (2024) Intracellular Macromolecular Crowding within Individual Stress Fibers Analyzed by Fluorescence Correlation Spectroscopy. *Cellular and molecular bioengineering*, 17(3), 165.

Saito T, et al. (2022) Long-term molecular turnover of actin stress fibers revealed by advection-reaction analysis in fluorescence recovery after photobleaching. *PloS one*, 17(11), e0276909.

Shorrocks AK, et al. (2021) The Bloom syndrome complex senses RPA-coated single-stranded DNA to restart stalled replication forks. *Nature communications*, 12(1), 585.

Saito T, et al. (2021) Determining the domain-level reaction-diffusion properties of an actin-binding protein transgelin-2 within cells. *Experimental cell research*, 404(1), 112619.

Li H, et al. (2020) Image based cellular contractile force evaluation with small-world network inspired CNN: SW-UNet. *Biochemical and biophysical research communications*, 530(3), 527.

Lin B, et al. (2020) Collectively stabilizing and orienting posterior migratory forces disperses cell clusters in vivo. *Nature communications*, 11(1), 4477.

Sultana S, et al. (2020) Truncated mutants of beta-glucosidase 2 (GBA2) are localized in the mitochondrial matrix and cause mitochondrial fragmentation. *PloS one*, 15(6), e0233856.

Nelson ME, et al. (2019) Phosphoproteomics reveals conserved exercise-stimulated signaling and AMPK regulation of store-operated calcium entry. *The EMBO journal*, 38(24), e102578.

Matsui TS, et al. (2018) Transgelin-1 (SM22??) interacts with actin stress fibers and podosomes in smooth muscle cells without using its actin binding site. *Biochemical and biophysical research communications*, 505(3), 879.