

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 6, 2026

pcDNA3.1-mGreenLantern

RRID:Addgene_161912

Type: Plasmid

Proper Citation

RRID:Addgene_161912

Plasmid Information

URL: <http://www.addgene.org/161912>

Proper Citation: RRID:Addgene_161912

Insert Name: mGreenLantern

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33208539](#)

Vector Backbone Description: Backbone Size:5410; Vector Backbone:pcDNA3.1;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1-mGreenLantern

Record Creation Time: 20220422T221916+0000

Record Last Update: 20260905T075052+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-mGreenLantern.

No alerts have been found for pcDNA3.1-mGreenLantern.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Paton CD, et al. (2026) Kv2-VAP interactions enhance presynaptic ER and mitochondrial calcium influx and the mobilization of vesicles from the reserve pool. *bioRxiv : the preprint server for biology*.

Boyer NP, et al. (2026) Spectrin condensates provide a nidus for assembling the axonal membrane-associated periodic skeleton. *iScience*, 29(1), 114454.

Kamath ND, et al. (2025) Comprehensive mutational characterization of the calcium-sensing STIM1 EF-hand reveals residues essential for structure and function. *bioRxiv : the preprint server for biology*.

Breunig K, et al. (2025) SERBP1 interacts with PARP1 and is present in PARylation-dependent protein complexes regulating splicing, cell division, and ribosome biogenesis. *eLife*, 13.

Verkuyl C, et al. (2025) Toward an all-in-one recombinant adeno-associated virus vector for functionally ablating the prion gene using CRISPR-Cas technology. *PloS one*, 20(11), e0336578.

Kuspiel S, et al. (2025) The secreted protein PCYOX1L controls the surface expression of acid-sensing ion channel 1a. *Science advances*, 11(30), eadw4064.

Vinales I, et al. (2024) Selective Transfection of a Transferrin Receptor-Expressing Cell Line with DNA-Lipid Nanoparticles. *ACS omega*, 9(38), 39533.

Scolz A, et al. (2024) Neuroprotection by ADAM10 inhibition requires TrkB signaling in the Huntington's disease hippocampus. *Cellular and molecular life sciences : CMLS*, 81(1), 333.

Claude-Taupin A, et al. (2023) The AMPK-Sirtuin 1-YAP axis is regulated by fluid flow intensity and controls autophagy flux in kidney epithelial cells. *Nature communications*, 14(1), 8056.

Kumar S, et al. (2023) Cas phosphorylation regulates focal adhesion assembly. *eLife*, 12.

Wong KKL, et al. (2023) Origin of wiring specificity in an olfactory map revealed by neuron type-specific, time-lapse imaging of dendrite targeting. *eLife*, 12.

Kugathasan R, et al. (2023) Deep mutagenesis scanning using whole trimeric SARS-CoV-2 spike highlights the importance of NTD-RBD interactions in determining spike phenotype. *PLoS pathogens*, 19(8), e1011545.

Stevenson ME, et al. (2023) Neuronal activation of G??q EGL-30/GNAQ late in life rejuvenates cognition across species. *Cell reports*, 42(9), 113151.