

Resource Summary Report

Generated by [NIF](#) 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 [NIF](#) .

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.