

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

pCMV-dLight1.1

RRID:Addgene_111053

Type: Plasmid

Proper Citation

RRID:Addgene_111053

Plasmid Information

URL: <http://www.addgene.org/111053>

Proper Citation: RRID:Addgene_111053

Insert Name: dLight1.1

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:29853555](#)

Vector Backbone Description: Backbone Size:3983; Vector Backbone:pEGFP_N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pCMV-dLight1.1

Record Creation Time: 20220422T221540+0000

Record Last Update: 20260902T041206+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-dLight1.1.

No alerts have been found for pCMV-dLight1.1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Zhou X, et al. (2024) Development of a genetically encoded sensor for probing endogenous nociceptin opioid peptide release. *Nature communications*, 15(1), 5353.

Zhou X, et al. (2023) Development of a genetically-encoded sensor for probing endogenous nociceptin opioid peptide release. *bioRxiv* : the preprint server for biology.

Rapple M, et al. (2023) Optogenetic Microwell Array Screening System: A High-Throughput Engineering Platform for Genetically Encoded Fluorescent Indicators. *ACS sensors*, 8(11), 4233.

Schihada H, et al. (2021) Deconvolution of WNT-induced Frizzled conformational dynamics with fluorescent biosensors. *Biosensors & bioelectronics*, 177, 112948.

Iannielli A, et al. (2019) Reconstitution of the Human Nigro-striatal Pathway on-a-Chip Reveals OPA1-Dependent Mitochondrial Defects and Loss of Dopaminergic Synapses. *Cell reports*, 29(13), 4646.