

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

pDawn

RRID:Addgene_43796

Type: Plasmid

Proper Citation

RRID:Addgene_43796

Plasmid Information

URL: <http://www.addgene.org/43796>

Proper Citation: RRID:Addgene_43796

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22245580](#)

Vector Backbone Description: Vector Backbone:pUC; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: NOTE: there is a second, non-annotated EcoRI site present in this plasmid. The function of the plasmid will not be impaired; however, you cannot use the EcoRI site in the MCS for cloning.

Plasmid Name: pDawn

Record Creation Time: 20220422T222227+0000

Record Last Update: 20260829T080544+0000

Ratings and Alerts

No rating or validation information has been found for pDawn.

No alerts have been found for pDawn.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Wang Y, et al. (2025) Living plastics from plasticizer-assisted thermal molding of silk protein. *Nature communications*, 16(1), 52.

Benman W, et al. (2023) High-throughput feedback-enabled optogenetic stimulation and spectroscopy in microwell plates. *Communications biology*, 6(1), 1192.

Wang J, et al. (2021) A Biosensor for Detection of Indole Metabolites. *ACS synthetic biology*, 10(7), 1605.

Li X, et al. (2020) A single-component light sensor system allows highly tunable and direct activation of gene expression in bacterial cells. *Nucleic acids research*, 48(6), e33.

Sankaran S, et al. (2019) Optoregulated Drug Release from an Engineered Living Material: Self-Replenishing Drug Depots for Long-Term, Light-Regulated Delivery. *Small (Weinheim an der Bergstrasse, Germany)*, 15(5), e1804717.

Jin X, et al. (2018) Biofilm Lithography enables high-resolution cell patterning via optogenetic adhesin expression. *Proceedings of the National Academy of Sciences of the United States of America*, 115(14), 3698.