

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 12, 2026

Nano-lantern(cAMP-1.6)/pcDNA3

RRID:Addgene_53594

Type: Plasmid

Proper Citation

RRID:Addgene_53594

Plasmid Information

URL: <http://www.addgene.org/53594>

Proper Citation: RRID:Addgene_53594

Insert Name: Nano-lantern-based luminescent cAMP indicator

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23232392](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: Nano-lantern(cAMP-1.6)/pcDNA3

Record Creation Time: 20220422T222314+0000

Record Last Update: 20260808T081821+0000

Ratings and Alerts

No rating or validation information has been found for Nano-lantern(cAMP-1.6)/pcDNA3.

No alerts have been found for Nano-lantern(cAMP-1.6)/pcDNA3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kusama K, et al. (2025) Electrically Driven, Bioluminescent Compliant Devices for Soft Robotics. ACS applied materials & interfaces, 17(7), 11248.

Bang S, et al. (2021) Activation of GPR37 in macrophages confers protection against infection-induced sepsis and pain-like behaviour in mice. Nature communications, 12(1), 1704.

Gupta A, et al. (2016) Communication of cAMP by connexin43 gap junctions regulates osteoblast signaling and gene expression. Cellular signalling, 28(8), 1048.