

Resource Summary Report

Generated by [dkNET](#) on Sep 9, 2026

pAAV-syn-dLight1.3b

RRID:Addgene_135762

Type: Plasmid

Proper Citation

RRID:Addgene_135762

Plasmid Information

URL: <http://www.addgene.org/135762>

Proper Citation: RRID:Addgene_135762

Insert Name: dLight1.3b

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29853555](#)

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: dLight1.3b is also described in Nature. 2019 Jun;570(7759):65-70

Plasmid Name: pAAV-syn-dLight1.3b

Record Creation Time: 20220422T221748+0000

Record Last Update: 20260905T074811+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-syn-dLight1.3b.

No alerts have been found for pAAV-syn-dLight1.3b.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Godschall EN, et al. (2026) A brain reward circuit inhibited by next-generation weight-loss drugs in mice. *Nature*, 654(8120), 1055.

Bennett A, et al. (2025) The Role of Paraventricular Nucleus of Thalamus in Sleep Disturbance Induced by Withdrawal from Repeated Ethanol Exposure. *bioRxiv : the preprint server for biology*.

Goldbach HC, et al. (2025) Cholinergic-dependent dopamine signals in mouse dorsal striatum are regulated by frontal but not sensory cortices. *bioRxiv : the preprint server for biology*.

Godschall EN, et al. (2025) A Brain Reward Circuit Inhibited By Next-Generation Weight Loss Drugs. *bioRxiv : the preprint server for biology*.

Zych SM, et al. (2022) Divergent properties and independent regulation of striatal dopamine and GABA co-transmission. *Cell reports*, 39(7), 110823.

O'Neal TJ, et al. (2022) A Conditioned Place Preference for Heroin Is Signaled by Increased Dopamine and Direct Pathway Activity and Decreased Indirect Pathway Activity in the Nucleus Accumbens. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(10), 2011.

Kr??ttner S, et al. (2022) Absence of familiarity triggers hallmarks of autism in mouse model through aberrant tail-of-striatum and prelimbic cortex signaling. *Neuron*, 110(9), 1468.

Condon AF, et al. (2021) The residence of synaptically released dopamine on D2 autoreceptors. *Cell reports*, 36(5), 109465.