

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 14, 2026

[pAAV-hSyn-LMO3 \(sbGLuc-VChR1-EYFP\)](#)

RRID:Addgene_114099

Type: Plasmid

Proper Citation

RRID:Addgene_114099

Plasmid Information

URL: <http://www.addgene.org/114099>

Proper Citation: RRID:Addgene_114099

Insert Name: Gaussia luciferase, slow burn; Volvox Channelrhodopsin 1; EYFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26733686](#)

Vector Backbone Description: Backbone Size:4604; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-hSyn-LMO3 (sbGLuc-VChR1-EYFP)

Record Creation Time: 20220422T221557+0000

Record Last Update: 20260808T080505+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-hSyn-LMO3 (sbGLuc-VChR1-EYFP).

No alerts have been found for pAAV-hSyn-LMO3 (sbGLuc-VChR1-EYFP).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Bjerrfeldt A, et al. (2024) Efficient opto- and chemogenetic control in a single molecule driven by FRET-modified bioluminescence. *Neurophotonics*, 11(2), 021005.

Anderson KA, et al. (2023) Behavioral context improves optogenetic stimulation of transplanted dopaminergic cells in unilateral 6-OHDA rats. *Behavioural brain research*, 441, 114279.

Medendorp WE, et al. (2021) Selective postnatal excitation of neocortical pyramidal neurons results in distinctive behavioral and circuit deficits in adulthood. *iScience*, 24(3), 102157.

Crespo EL, et al. (2021) Bioluminescent optogenetic (BL-OG) activation of neurons during mouse postnatal brain development. *STAR protocols*, 2(3), 100667.