

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

hSyn-DIO-somBiPOLES-mCerulean

RRID:Addgene_154951

Type: Plasmid

Proper Citation

RRID:Addgene_154951

Plasmid Information

URL: <http://www.addgene.org/154951>

Proper Citation: RRID:Addgene_154951

Insert Name: somBiPOLES

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34312384](#)

Vector Backbone Description: Backbone Size:4822; Vector Backbone:pAAV2; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: The insert contains the fluorescence tag mCerulean3 in between the 2 channelrhodopsins (C-terminal of GtACR2) . Please visit <https://www.biorxiv.org/content/10.1101/2020.07.15.204347v1> for bioRxiv preprint.

Plasmid Name: hSyn-DIO-somBiPOLES-mCerulean

Record Creation Time: 20220422T221849+0000

Record Last Update: 20260815T080756+0000

Ratings and Alerts

No rating or validation information has been found for hSyn-DIO-somBiPOLES-mCerulean.

No alerts have been found for hSyn-DIO-somBiPOLES-mCerulean.

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 [RRID](#) .

Lakunina A, et al. (2025) Neuropixels Opto: Combining high-resolution electrophysiology and optogenetics. bioRxiv : the preprint server for biology.

Buron J, et al. (2025) Oxytocin modulates respiratory heart rate variability through a hypothalamus-brainstem-heart neuronal pathway. Nature neuroscience, 28(11), 2247.

Wick ZC, et al. (2025) Interneuron theta phase locking controls seizure susceptibility. bioRxiv : the preprint server for biology.