

Resource Summary Report

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

pDIO-DSE-mCherry-PSE-MCS

RRID:Addgene_129669

Type: Plasmid

Proper Citation

RRID:Addgene_129669

Plasmid Information

URL: <http://www.addgene.org/129669>

Proper Citation: RRID:Addgene_129669

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30679375](#)

Vector Backbone Description: Backbone Marker:Karl Deisseroth; Backbone Size:5941; Vector Backbone:pAAV-EF1a-DIO-mCherry; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: The construct holds a sequence containing the distal (DSE) and proximal elements (PSE) of the U6 promoter spaced by the CDS to express shRNAs

Plasmid Name: pDIO-DSE-mCherry-PSE-MCS

Record Creation Time: 20220422T221721+0000

Record Last Update: 20260725T073801+0000

Ratings and Alerts

No rating or validation information has been found for pDIO-DSE-mCherry-PSE-MCS.

No alerts have been found for pDIO-DSE-mCherry-PSE-MCS.

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 [NIF](#) .

Shin J, et al. (2025) Dysregulation of FGFR1 signaling in the hippocampus facilitates depressive disorder. *Experimental & molecular medicine*, 57(8), 1818.

Ma Q, et al. (2025) Oligodendrocytes drive neuroinflammation and neurodegeneration in Parkinson's disease via the prosaposin-GPR37-IL-6 axis. *Cell reports*, 44(2), 115266.

Assendorp N, et al. (2024) CTNND2 moderates the pace of synaptic maturation and links human evolution to synaptic neoteny. *Cell reports*, 43(10), 114797.

Han KA, et al. (2024) Specification of neural circuit architecture shaped by context-dependent patterned LAR-RPTP microexons. *Nature communications*, 15(1), 1624.