

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pOTTC374 - pAAV EF1a DIO iRFP

RRID:Addgene_47626

Type: Plasmid

Proper Citation

RRID:Addgene_47626

Plasmid Information

URL: <http://www.addgene.org/47626>

Proper Citation: RRID:Addgene_47626

Insert Name: Infrared fluorescent protein

Organism: Rhodopseudomonas palustris

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28380331](#)

Vector Backbone Description: Backbone Marker:Karl Deisseroth; Backbone Size:5637; Vector Backbone:pAAV EF1a DIO; Vector Types:Mammalian Expression, AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Plasmid Name: pOTTC374 - pAAV EF1a DIO iRFP

Record Creation Time: 20220422T222245+0000

Record Last Update: 20260815T081543+0000

Ratings and Alerts

No rating or validation information has been found for pOTTC374 - pAAV EF1a DIO iRFP.

No alerts have been found for pOTTC374 - pAAV EF1a DIO iRFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Bäck S, et al. (2019) Neuron-Specific Genome Modification in the Adult Rat Brain Using CRISPR-Cas9 Transgenic Rats. *Neuron*, 102(1), 105.

Bäck S, et al. (2019) Neuronal Activation Stimulates Cytomegalovirus Promoter-Driven Transgene Expression. *Molecular therapy. Methods & clinical development*, 14, 180.

Albert K, et al. (2019) Downregulation of tyrosine hydroxylase phenotype after AAV injection above substantia nigra: Caution in experimental models of Parkinson's disease. *Journal of neuroscience research*, 97(3), 346.

Richie CT, et al. (2017) Near-infrared fluorescent protein iRFP713 as a reporter protein for optogenetic vectors, a transgenic Cre-reporter rat, and other neuronal studies. *Journal of neuroscience methods*, 284, 1.

Henderson MJ, et al. (2015) A Low Affinity GCaMP3 Variant (GCaMPer) for Imaging the Endoplasmic Reticulum Calcium Store. *PloS one*, 10(10), e0139273.