

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pX458-Ef1a-Cas9-H2B-mCherry (dual gRNA: Olig2 x2)

RRID:Addgene_171101

Type: Plasmid

Proper Citation

RRID:Addgene_171101

Plasmid Information

URL: <http://www.addgene.org/171101>

Proper Citation: RRID:Addgene_171101

Insert Name: hSpCas9

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34143204](#)

Vector Backbone Description: Backbone Marker:Feng Zhang (Addgene plasmid # 48138); Vector Backbone:PX458; Vector Types:CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pX458-Ef1a-Cas9-H2B-mCherry (dual gRNA: Olig2 x2)

Record Creation Time: 20220422T221955+0000

Record Last Update: 20260725T074241+0000

Ratings and Alerts

No rating or validation information has been found for pX458-Ef1a-Cas9-H2B-mCherry (dual gRNA: Olig2 x2).

No alerts have been found for pX458-Ef1a-Cas9-H2B-mCherry (dual gRNA: Olig2 x2).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Zhou J, et al. (2025) Dual lineage origins contribute to neocortical astrocyte diversity. Nature communications, 16(1), 6992.