

# Resource Summary Report

Generated by [kravitz2](#) on Aug 27, 2026

## pX458-Ef1a-Cas9-H2B-mCherry (dual gRNA: Ascl1 x2)

RRID:Addgene\_171099

Type: Plasmid

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### Proper Citation

RRID:Addgene\_171099

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### Plasmid Information

**URL:** <http://www.addgene.org/171099>

**Proper Citation:** RRID:Addgene\_171099

**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: Ascl1 x2)

**Record Creation Time:** 20220422T221955+0000

**Record Last Update:** 20260815T081013+0000

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### Ratings and Alerts

No rating or validation information has been found for pX458-Ef1a-Cas9-H2B-mCherry (dual gRNA: Ascl1 x2).

No alerts have been found for pX458-Ef1a-Cas9-H2B-mCherry (dual gRNA: Ascl1 x2).

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### 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 [kravitz2](#) .

Balolia A, et al. (2026) Ascl1 promotes OPC specification across species and central nervous system regions and its gliogenic function is regulated by phosphorylation. Developmental biology, 536, 184.