

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

pX458-Ef1a-dCas9-VPR-H2B-mCherry (CRISPRa)

RRID:Addgene_175572

Type: Plasmid

Proper Citation

RRID:Addgene_175572

Plasmid Information

URL: <http://www.addgene.org/175572>

Proper Citation: RRID:Addgene_175572

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Feng Zhang (Addgene plasmid # 48138); Vector Backbone:pX458; Vector Types:CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pX458-Ef1a-dCas9-VPR-H2B-mCherry (CRISPRa)

Record Creation Time: 20220422T222015+0000

Record Last Update: 20260808T081259+0000

Ratings and Alerts

No rating or validation information has been found for pX458-Ef1a-dCas9-VPR-H2B-mCherry (CRISPRa).

No alerts have been found for pX458-Ef1a-dCas9-VPR-H2B-mCherry (CRISPRa).

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](#) .

Mendonca T, et al. (2025) The mitotic chromosome periphery modulates chromosome mechanics. *Nature communications*, 16(1), 6399.