

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pCVL Traffic Light Reporter 2.1 (VF2468 ZFN target) Ef1a

RRID:Addgene_31483

Type: Plasmid

Proper Citation

RRID:Addgene_31483

Plasmid Information

URL: <http://www.addgene.org/31483>

Proper Citation: RRID:Addgene_31483

Insert Name: Traffic Light Reporter 2.1 (V2468 zfn target) EF Puro

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21743461](#)

Vector Backbone Description: Backbone Size:5000; Vector Backbone:pCVL; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pCVL Traffic Light Reporter 2.1 (VF2468 ZFN target) Ef1a

Relevant Mutation: Traffic Light 2.0 series have a +3 PEST sequence that aids in degradation of the +3 "gibberishFP" produced by mutNHEJ events. The mCherry sequence has M9S and M16L mutations that reduce background fluorescence from internal start codons. This is what ".1" stands for.

Record Creation Time: 20220422T222136+0000

Record Last Update: 20260815T081332+0000

Ratings and Alerts

No rating or validation information has been found for pCVL Traffic Light Reporter 2.1 (VF2468 ZFN target) Ef1a.

No alerts have been found for pCVL Traffic Light Reporter 2.1 (VF2468 ZFN target) Ef1a.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Sottnik JL, et al. (2026) Altered MDC1 Interactions and Dysfunctional DNA Repair in Lobular Breast Cancer Confers Sensitivity to PARP Inhibition. Cancer research, 86(7), 1605.

Sottnik JL, et al. (2024) Co-regulator activity of Mediator of DNA Damage Checkpoint 1 (MDC1) is associated with DNA repair dysfunction and PARP inhibitor sensitivity in lobular carcinoma of the breast. bioRxiv : the preprint server for biology.