

Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

pVS1

RRID:Addgene_33143

Type: Plasmid

Proper Citation

RRID:Addgene_33143

Plasmid Information

URL: <http://www.addgene.org/33143>

Proper Citation: RRID:Addgene_33143

Insert Name: LacO (256 copies)

Organism: E. coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18614049](#)

Vector Backbone Description: Vector Backbone:Ylplac128; Vector Types:Yeast Expression; Bacterial Resistance:Ampicillin

Comments: Addgene cannot verify or guarantee the presence of all 256 copies of LacO. This element is unstable. For use in two-plasmid-based gene-nuclear periphery tethering assay with either plasmids pAK67 (Addgene #33142). pVS2 (Addgene #33144) contains 256 LacO repeats and a GAL-GFP-GALpA-reporter gene (pVS1 is identical but does not contain the reporter gene). The reporter was previously characterized and contains a GFP open reading frame flanked by the GAL1 promoter and GAL1 3' UTR ([Abruzzi et al., 2006] and [Dower et al., 2004]). pKA67 expresses both LacI-GFP and Nup49-GFP to mark the first plasmid as well as the nuclear periphery with GFP.

Plasmid Name: pVS1

Record Creation Time: 20220422T222144+0000

Record Last Update: 20260815T081347+0000

Ratings and Alerts

No rating or validation information has been found for pVS1.

No alerts have been found for pVS1.

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 [dkNET](#) .

Cortes-Silva N, et al. (2020) CenH3-Independent Kinetochore Assembly in Lepidoptera Requires CCAN, Including CENP-T. Current biology : CB, 30(4), 561.

Chen H, et al. (2018) Dynamic interplay between enhancer-promoter topology and gene activity. Nature genetics, 50(9), 1296.