

Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 2026

pVZ_PcoaT_SQE1_LUP1

RRID:Addgene_103857

Type: Plasmid

Proper Citation

RRID:Addgene_103857

Plasmid Information

URL: <http://www.addgene.org/103857>

Proper Citation: RRID:Addgene_103857

Insert Name: lupeol synthase 1

Organism: Arabidopsis thaliana

Bacterial Resistance: Kanamycin and Spectinomycin

Defining Citation: [PMID:29281679](#)

Vector Backbone Description: Backbone Marker:Sergey V. Shestakov and Anne Karradt and Wolfgang Lockau; Vector Backbone:pVZ-spec; Vector Types:Bacterial Expression, Synthetic Biology; Bacterial Resistance:Kanamycin and Spectinomycin

Comments: second gene: squalene epoxidase (SQE1) third gene: coaR repressor protein from Synechocystis sp. PCC6803 growth temperature (37C) refers to E. coli ; in Synechocystis sp. PCC6803: 30 C

Plasmid Name: pVZ_PcoaT_SQE1_LUP1

Relevant Mutation: inserted genes are codon optimized. 2nd amino acid of SQE1 changed from Glu to Ala

Record Creation Time: 20220422T221503+0000

Record Last Update: 20260725T073402+0000

Ratings and Alerts

No rating or validation information has been found for pVZ_PcoaT_SQE1_LUP1.

No alerts have been found for pVZ_PcoaT_SQE1_LUP1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.