

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pJBEI-6410

RRID:Addgene_47049

Type: Plasmid

Proper Citation

RRID:Addgene_47049

Plasmid Information

URL: <http://www.addgene.org/47049>

Proper Citation: RRID:Addgene_47049

Insert Name: Codon-optimized sequences for MEV pathway expression in E. coli to produce limonene

Organism: Saccharomyces cerevisiae

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23727191](#)

Vector Backbone Description: Backbone Size:3500; Vector Backbone:pBbA5a; Vector Types:Bacterial Expression, Synthetic Biology, BglBrick; Bacterial Resistance:Ampicillin

Comments: The R364S mutation in the MK is not known to alter the function. The plasmid functions as described in the associated publication.

Plasmid Name: pJBEI-6410

Relevant Mutation: R364S mutation in MK

Record Creation Time: 20220422T222242+0000

Record Last Update: 20260815T081537+0000

Ratings and Alerts

No rating or validation information has been found for pJBEI-6410.

No alerts have been found for pJBEI-6410.

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](#) .

Rolf J, et al. (2020) A Gram-Scale Limonene Production Process with Engineered Escherichia coli. *Molecules* (Basel, Switzerland), 25(8).

Chacón MG, et al. (2019) Esterification of geraniol as a strategy for increasing product titre and specificity in engineered Escherichia coli. *Microbial cell factories*, 18(1), 105.