

# Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

## [pMBIS](#)

RRID:Addgene\_17817

Type: Plasmid

### Proper Citation

RRID:Addgene\_17817

### Plasmid Information

**URL:** <http://www.addgene.org/17817>

**Proper Citation:** RRID:Addgene\_17817

**Insert Name:** mevalonate kinase, phosphomevalonate kinase, mevalonate pyrophosphate decarboxylase, IPP isomerase, FPP synthase

**Organism:** *Saccharomyces cerevisiae*

**Bacterial Resistance:** Tetracycline

**Defining Citation:** [PMID:12778056](#)

**Vector Backbone Description:** Backbone Size:0; Vector Backbone:n/a; Vector Types:Bacterial Expression, Synthetic Biology; Bacterial Resistance:Tetracycline

**Comments:** does not contain lacI/ ERG1, ERG8, MVD1: *S. cerevisiae*/ idi, ispA: *E. Coli*

**Plasmid Name:** pMBIS

**Record Creation Time:** 20220422T222027+0000

**Record Last Update:** 20260815T081115+0000

### Ratings and Alerts

No rating or validation information has been found for pMBIS.

No alerts have been found for pMBIS.

### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Sarne V, et al. (2025) Optimized clonal isolation and immortalization of Rett syndrome patient fibroblasts for in vitro modeling of MECP2 mutations. Scientific reports, 15(1), 35696.

Pattanaik B, et al. (2020) Introduction of a green algal squalene synthase enhances squalene accumulation in a strain of *Synechocystis* sp. PCC 6803. Metabolic engineering communications, 10, e00125.

Ni W, et al. (2020) Combining mutagenesis on Glu281 of prenyltransferase NovQ and metabolic engineering strategies for the increased prenylated activity towards menadione. Applied microbiology and biotechnology, 104(10), 4371.

Chatzivasileiou AO, et al. (2019) Two-step pathway for isoprenoid synthesis. Proceedings of the National Academy of Sciences of the United States of America, 116(2), 506.

Kracht ON, et al. (2019) Discovery of three novel sesquiterpene synthases from *Streptomyces chartreusis* NRRL 3882 and crystal structure of an  $\alpha$ -eudesmol synthase. Journal of biotechnology, 297, 71.

Wawrzyn GT, et al. (2012) Discovery and characterization of terpenoid biosynthetic pathways of fungi. Methods in enzymology, 515, 83.