

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

pBbA5c-MevT(CO)-T1-MBIS(CO, ispA)

RRID:Addgene_35152

Type: Plasmid

Proper Citation

RRID:Addgene_35152

Plasmid Information

URL: <http://www.addgene.org/35152>

Proper Citation: RRID:Addgene_35152

Insert Name: AtoB(co)-HMGS(co)-HMGR(co)-pTrc-MK(co)-PMK(co)-PMD-Idi-IspA

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:21952217](#)

Vector Backbone Description: Vector Backbone:pBbA5c; Vector Types:Bacterial Expression, Synthetic Biology; Bacterial Resistance:Chloramphenicol

Comments: Please note that the R364 in Mevalonate Kinase (MK) may be susceptible to mutations. Although the original plasmid encoded R364C, Addgene's stock contains R364S. This mutation is not expected to impact overall function, however the exact effects are unknown.

Plasmid Name: pBbA5c-MevT(CO)-T1-MBIS(CO, ispA)

Relevant Mutation: R364S in Mevalonate Kinase

Record Creation Time: 20220422T222149+0000

Record Last Update: 20260815T081358+0000

Ratings and Alerts

No rating or validation information has been found for pBbA5c-MevT(CO)-T1-MBIS(CO, ispA).

No alerts have been found for pBbA5c-MevT(CO)-T1-MBIS(CO, ispA).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Hoshino Y, et al. (2021) Evolution of bacterial steroid biosynthesis and its impact on eukaryogenesis. Proceedings of the National Academy of Sciences of the United States of America, 118(25).

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.

Shen HJ, et al. (2016) Dynamic control of the mevalonate pathway expression for improved zeaxanthin production in Escherichia coli and comparative proteome analysis. Metabolic engineering, 38, 180.