Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

pMSP3535VA

RRID:Addgene_46887
Type: Plasmid

Proper Citation

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Plasmid Information

URL: http://www.addgene.org/46887

Proper Citation: RRID:Addgene_46887

Bacterial Resistance: Kanamycin

Defining Citation: PMID:10964628

Vector Backbone Description: Backbone Size:8278; Vector Backbone:pMSP3535VA; Vector Types:Bacterial Expression, Nisin-inducible expression; Gram-positive Bacterial Shuttle Vector; Bacterial Resistance:Kanamycin

Comments: This plasmid utilizes the NIsin Controlled Expression (NICE) system. NICE?? is a registered trademark of NIZO food research BV, P.O.Box 20, 6710 BA Ede, The Netherlands. pMSP3535VA contains the Nisin-inducible PnisA promoter, and the pVA380-1 replicon for expression in gram-positive bacteria. For protein expression in E. faecalis, induce with 10-25 ng/mL nisin (Sigma, N-5764). See associated article for instructions on how to make nisin solution. Note: Nucleotide sequence encoding the signal sequence and one-third of the mature NisA (nisin) peptide remains associated with the PnisA promoter. The depositing laboratory recommends adding of a Stop codon to the 5' end of inserted sequences to avoid unintentional gene fusions. Note: The theoretical full sequence uploaded here is NOT fully accurate - the NheI site at position 4414 has been lost, along with approximately 500bp of sequence in this region (compare the depositor's uploaded maps). The actual size of this plasmid is 8278 as listed here. The depositing lab has not resequenced the region in question, but the discrepancy does not affect plasmid function. Note: This plasmid has been shown to accumulate deletions when replicated in E. coli (or gram-negative bacteria). Screening transformants by restriction digest is recommended. Addgene's quality control sequencing finds discrepancies with the depositor's provided sequence, but they are not thought to affect plasmid function.

Plasmid Name: pMSP3535VA

Record Creation Time: 20220422T222241+0000

Record Last Update: 20260808T081726+0000

Ratings and Alerts

No rating or validation information has been found for pMSP3535VA.

No alerts have been found for pMSP3535VA.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Ren J, et al. (2018) Optimization of chemico-physical transformation methods for various bacterial species using diverse chemical compounds and nanomaterials. Journal of biotechnology, 288, 55.