

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

pORTMAGE311B

RRID:Addgene_120418

Type: Plasmid

Proper Citation

RRID:Addgene_120418

Plasmid Information

URL: <http://www.addgene.org/120418>

Proper Citation: RRID:Addgene_120418

Insert Name: MutL E32K

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:31235632](#)

Vector Backbone Description: Backbone Marker:The Standard European Vector Architecture (SEVA); <http://seva.cnb.csic.es/>; Vector Backbone:pSEVA258; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: Please visit the depositor's website: <http://group.szbk.u-szeged.hu/sysbiol/pal-csaba-lab-resources.html> for additional information. To view a protocol for using this plasmid, please visit <http://group.szbk.u-szeged.hu/sysbiol/EvGEn/resources.html> Please visit <https://www.biorxiv.org/content/10.1101/495630v1> for bioRxiv preprint.

Plasmid Name: pORTMAGE311B

Relevant Mutation: E32K mutation conferring dominant mutator phenotype

Record Creation Time: 20220422T221629+0000

Record Last Update: 20260902T041443+0000

Ratings and Alerts

No rating or validation information has been found for pORTMAGE311B.

No alerts have been found for pORTMAGE311B.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Daruka L, et al. (2025) ESKAPE pathogens rapidly develop resistance against antibiotics in development in vitro. *Nature microbiology*, 10(2), 313.

Nyerges A, et al. (2023) A swapped genetic code prevents viral infections and gene transfer. *Nature*, 615(7953), 720.

Shaer Tamar E, et al. (2022) Multistep diversification in spatiotemporal bacterial-phage coevolution. *Nature communications*, 13(1), 7971.

Durcik M, et al. (2021) New dual ATP-competitive inhibitors of bacterial DNA gyrase and topoisomerase IV active against ESKAPE pathogens. *European journal of medicinal chemistry*, 213, 113200.

Wannier TM, et al. (2020) Improved bacterial recombineering by parallelized protein discovery. *Proceedings of the National Academy of Sciences of the United States of America*, 117(24), 13689.

Durcik M, et al. (2020) Hybrid Inhibitors of DNA Gyrase A and B: Design, Synthesis and Evaluation. *Pharmaceutics*, 13(1).

Szili P, et al. (2019) Rapid Evolution of Reduced Susceptibility against a Balanced Dual-Targeting Antibiotic through Stepping-Stone Mutations. *Antimicrobial agents and chemotherapy*, 63(9).