Resource Summary Report

Generated by RRID on Aug 22, 2026

pGRG36

RRID:Addgene_16666
Type: Plasmid

Proper Citation

RRID:Addgene_16666

Plasmid Information

URL: http://www.addgene.org/16666

Proper Citation: RRID:Addgene_16666

Insert Name: mTn7::MCS

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16646962

Vector Backbone Description: Backbone Size:12549; Vector Backbone:pGRG36; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Grow at 32'C. Same as pGRG25 except for the MCS. See author's protocol for more information. This plasmid is designed to insert DNA into the chromosome of Enterobacteria in a manner that doesn't require a drug resistance marker. This plasmid uses the site-specific recombination machinery of the bacterial transposon Tn7. The backbone of the plasmid is the easily curable temperature sensitive mutant of pSC101.

Plasmid Name: pGRG36

Record Creation Time: 20220422T221937+0000

Record Last Update: 20260815T080937+0000

Ratings and Alerts

No rating or validation information has been found for pGRG36.

No alerts have been found for pGRG36.

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 RRID .

Takahashi K, et al. (2026) Horizontal and vertical gene transfer shape the plasmid host range in surface-associated microbial systems. iScience, 29(4), 115299.

Yeap HW, et al. (2025) A bacterial network of T3SS effectors counteracts host pro-inflammatory responses and cell death to promote infection. The EMBO journal, 44(9), 2424.

Philo SE, et al. (2024) Development, confirmation, and application of a seeded Escherichia coli process control organism to validate Salmonella enterica serovar Typhi environmental surveillance methods. PloS one, 19(5), e0301624.

Lee J, et al. (2019) Using Sniper-Cas9 to Minimize Off-target Effects of CRISPR-Cas9 Without the Loss of On-target Activity Via Directed Evolution. Journal of visualized experiments : JoVE(144).

Lee JK, et al. (2018) Directed evolution of CRISPR-Cas9 to increase its specificity. Nature communications, 9(1), 3048.

Remus-Emsermann MN, et al. (2016) MiniTn7-transposon delivery vectors for inducible or constitutive fluorescent protein expression in Enterobacteriaceae. FEMS microbiology letters, 363(16).

Martins R, et al. (2016) Heme drives hemolysis-induced susceptibility to infection via disruption of phagocyte functions. Nature immunology, 17(12), 1361.