

Resource Summary Report

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pEC3079 (p7INT-Pveg_lacI)

RRID:Addgene_218505

Type: Plasmid

Proper Citation

RRID:Addgene_218505

Plasmid Information

URL: <http://www.addgene.org/218505>

Proper Citation: RRID:Addgene_218505

Insert Name: lacI

Organism: Escherichia coli

Bacterial Resistance: Erythromycin

Defining Citation: [PMID:38911550](#)

Vector Backbone Description: Vector Backbone:p7INT; Vector Types:Bacterial Expression; Bacterial Resistance:Erythromycin

Comments: This plasmid enables the constitutive expression of LacI in *S. pyogenes*. It can be used for inducible gene expression in combination with the Plac promoter variants described in the associated publication. Resource information: The Pveg promoter originates from the *Bacillus subtilis* PY79 genome. The lacI repressor is derived from pPEPY-PF6_lacI (Plasmid #85589) and originally codon-optimised for *Streptococcus pneumoniae*. However, codon usage is quite similar between *S. pyogenes* and *S. pneumoniae*. p7INT was a gift from Prof. Michael Federle (University of Illinois Chicago, USA). The p7INT plasmid integrates into the 3' end of the tmRNA locus in several *S. pyogenes* strains. It was originally described in: McShan, W.M., McLaughlin, R.E., Nordstrand, A. et al. Vectors containing streptococcal bacteriophage integrases for site-specific gene insertion. *Methods Cell Sci* 20, 51–57 (1998). <https://doi.org/10.1023/A:1009773309163> Please download the file linked below to obtain a well annotated map of the plasmid.

Plasmid Name: pEC3079 (p7INT-Pveg_lacI)

Record Creation Time: 20240801T080656+0000

Record Last Update: 20260808T083107+0000

Ratings and Alerts

No rating or validation information has been found for pEC3079 (p7INT-Pveg_lacI).

No alerts have been found for pEC3079 (p7INT-Pveg_lacI).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.