

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

pKSJ340

RRID:Addgene_27125

Type: Plasmid

Proper Citation

RRID:Addgene_27125

Plasmid Information

URL: <http://www.addgene.org/27125>

Proper Citation: RRID:Addgene_27125

Insert Name: Colicin Ia + Ia immunity protein

Organism: E. coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19919671](#)

Vector Backbone Description: Backbone Marker:New England Biolabs; Backbone Size:2686; Vector Backbone:PUC19; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: The original clone had some mutations that had been introduced during the PCR cloning of the colicin operon (into another vector). Here, the operon was moved into pUC19 and the mutations were corrected, so that the sequence is the same as the one in GenBank (M13819.1) This plasmid contains Colicin Ia + Ia immunity protein, each with their own promoters; colicin production can be induced with mitomycin C. The SOS promoter for colicin expression is at around residues 148-165 of the insert, in the forward direction. The immunity promoter -35 box is about 460 bp from the end of the insert; there are only about 20 bp between the terminator for the colicin gene, reading in one direction, and the terminator for the immunity protein, reading in the other.

Plasmid Name: pKSJ340

Record Creation Time: 20220422T222122+0000

Record Last Update: 20260902T045151+0000

Ratings and Alerts

No rating or validation information has been found for pKSJ340.

No alerts have been found for pKSJ340.

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 [dkNET](#) .

Pipercevic J, et al. (2021) Identification of a Dps contamination in Mitomycin-C-induced expression of Colicin Ia. Biochimica et biophysica acta. Biomembranes, 1863(7), 183607.