

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pXZ13lacZalphaKanR

RRID:Addgene_160230

Type: Plasmid

Proper Citation

RRID:Addgene_160230

Plasmid Information

URL: <http://www.addgene.org/160230>

Proper Citation: RRID:Addgene_160230

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Dianne Duncan; Backbone Size:1961; Vector Backbone:pXZ13lacZalpha; Vector Types:Bacterial Expression, CRISPR; Bacterial Resistance:Kanamycin

Comments: Modification of pXZ13lacZalpha construct to exchange Kanamycin gene for original Ampicillin gene. This improves upon the cloning efficiency of the original pXZ13 vector (reference below) in three ways: 1) The distance between the Esp3I sites is increased to increase cutting efficiency, 2) lacZalpha complementation is introduced to allow for blue/white screening of recombinants, and 3) Kanamycin selection removes 3 of the 4 original parental plasmids from forming colonies in the final plating. Original vector reference: Zhang X, Koolhaas WH, Schnorrer F. A Versatile Two-Step CRISPR- and RMCE-Based Strategy for Efficient Genome Engineering in Drosophila. G3 (Bethesda). 2014 Oct 15;4(12):2409-18

Plasmid Name: pXZ13lacZalphaKanR

Record Creation Time: 20220422T221907+0000

Record Last Update: 20260815T080837+0000

Ratings and Alerts

No rating or validation information has been found for pXZ13lacZalphaKanR.

No alerts have been found for pXZ13lacZalphaKanR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.