

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pLZ12Km2-P23R:TA:Xen5

RRID:Addgene_88902

Type: Plasmid

Proper Citation

RRID:Addgene_88902

Plasmid Information

URL: <http://www.addgene.org/88902>

Proper Citation: RRID:Addgene_88902

Insert Name: toxin-antitoxin + LuxABCDE

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:24061415](#)

Vector Backbone Description: Backbone Marker: Nobuhiko Okada (PMID: 9846743); Vector Backbone:pLZ12Km2; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid contains a toxin-antitoxin system that stabilizes the plasmid in Streptococcus by post-segregational killing of bacteria that have lost the plasmid. This stabilization improves plasmid utility in animal infection models. For more information, please see the original reference. Although designed for use with Streptococcus pyogenes, this plasmid also labels other streptococcal species. For more information, please see Loh JM and Proft T (2016). PMID: 26410784

Plasmid Name: pLZ12Km2-P23R:TA:Xen5

Record Creation Time: 20220422T222606+0000

Record Last Update: 20260815T082153+0000

Ratings and Alerts

No rating or validation information has been found for pLZ12Km2-P23R:TA:Xen5.

No alerts have been found for pLZ12Km2-P23R:TA:Xen5.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.