

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

[kanMX6-ins2](#)

RRID:Addgene_195039

Type: Plasmid

Proper Citation

RRID:Addgene_195039

Plasmid Information

URL: <http://www.addgene.org/195039>

Proper Citation: RRID:Addgene_195039

Insert Name: KanR

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:36503721](#)

Vector Backbone Description: Backbone Size:2458; Vector Backbone:pFA6a; Vector Types:yeast genomic targeting; Bacterial Resistance:Ampicillin

Comments: This plasmid can be used in place of the original pFA6a series to introduce targeted mutation by selectable marker insertion in yeast while preventing off-target disruption of insertion neighboring genes caused by cassette promoter driven transcription interference. For more information regarding these plasmids see our article (Powers et al., eLife 2022) "Bidirectional promoter activity from expression cassettes can drive off-target repression of neighboring gene translation" The backbone and KanMX cassette was amplified from pFA6a-kanMX6 (Longtine et al., 1998), the tDEG1 and tCYC1 sequences were amplified from *S. cerevisiae* gDNA.

Plasmid Name: kanMX6-ins2

Record Creation Time: 20230211T080451+0000

Record Last Update: 20260815T082507+0000

Ratings and Alerts

No rating or validation information has been found for kanMX6-ins2.

No alerts have been found for kanMX6-ins2.

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 [RRID](#) .

Arora P, et al. (2026) Genetic dissection of transcription start site selection by RNA polymerase II in *Saccharomyces cerevisiae*. *Genetics*, 232(4).