

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

pKAR1

RRID:Addgene_23104

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/23104>

Proper Citation: RRID:Addgene_23104

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17234679](#)

Vector Backbone Description: Backbone Size:4604; Vector Backbone:pUHD-P3; Vector Types:Mammalian Expression, RNAi; Bacterial Resistance:Ampicillin

Comments: This vector is designed for dual expression of a shRNA and the respective rescue cDNA to allow a one-step validation of shRNAs. The shRNA is expressed under the control of a mouse U6 RNA promoter, while the rescue cDNA is expressed under the control of a doxycycline-inducible promoter. The effects of gene knockdown by the shRNA are effectively under conditional control as cDNA expression can be regulated by the inducible promoter. The shRNA sequence must be cloned into this plasmid using BbsI and XbaI sites BEFORE cloning the cDNA, otherwise the NcoI, XhoI, EcoRI and BamHI sites will not be unique for subcloning of the cDNA. Note that the cloning of the shRNA sequence into the plasmid will replace the EGFP in this plasmid.

Plasmid Name: pKAR1

Record Creation Time: 20220422T222103+0000

Record Last Update: 20260725T074438+0000

Ratings and Alerts

No rating or validation information has been found for pKAR1.

No alerts have been found for pKAR1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.