

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pSico PGK puro

RRID:Addgene_11586

Type: Plasmid

Proper Citation

RRID:Addgene_11586

Plasmid Information

URL: <http://www.addgene.org/11586>

Proper Citation: RRID:Addgene_11586

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15240889](#)

Vector Backbone Description: Backbone Size:7703; Vector Backbone:pSico PGK puro; Vector Types:Mammalian Expression, Lentiviral, RNAi, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: pSico PGK puro allows for conditional (Cre-Lox), stable expression of shRNAs for RNA interference in cells and transgenic mice. Addition of Cre TURNS ON shRNA expression. The shRNA coding oligos have to be cloned into the HpaI and XhoI restriction sites. Oligo design information can be found on the author's map or on the Jacks Lab website <http://web.mit.edu/ccr/labs/jacks/protocols/pSico.html>

Plasmid Name: pSico PGK puro

Record Creation Time: 20220422T221606+0000

Record Last Update: 20260808T080520+0000

Ratings and Alerts

No rating or validation information has been found for pSico PGK puro.

No alerts have been found for pSico PGK puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

English LA, et al. (2025) F-BAR Proteins CIP4 and FBP17 Function in Cortical Neuron Radial Migration and Process Outgrowth. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(34).

English LA, et al. (2024) F-BAR proteins CIP4 and FBP17 function in cortical neuron radial migration and process outgrowth. bioRxiv : the preprint server for biology.

Vizoso M, et al. (2022) A doxycycline- and light-inducible Cre recombinase mouse model for optogenetic genome editing. Nature communications, 13(1), 6442.

Taylor RJ, et al. (2020) Double UP: A Dual Color, Internally Controlled Platform for in utero Knockdown or Overexpression. Frontiers in molecular neuroscience, 13, 82.

Santana AL, et al. (2017) RTA Occupancy of the Origin of Lytic Replication during Murine Gammaherpesvirus 68 Reactivation from B Cell Latency. Pathogens (Basel, Switzerland), 6(1).

Hsiao C, et al. (2016) Human pluripotent stem cell culture density modulates YAP signaling. Biotechnology journal, 11(5), 662.

Shah M, et al. (2013) ARH directs megalin to the endocytic recycling compartment to regulate its proteolysis and gene expression. The Journal of cell biology, 202(1), 113.

Azarin SM, et al. (2012) Modulation of Wnt/??-catenin signaling in human embryonic stem cells using a 3-D microwell array. Biomaterials, 33(7), 2041.