

Resource Summary Report

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

pSico-shNKCC1

RRID:Addgene_83027

Type: Plasmid

Proper Citation

RRID:Addgene_83027

Plasmid Information

URL: <http://www.addgene.org/83027>

Proper Citation: RRID:Addgene_83027

Insert Name: shNKCC1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23015452](#)

Vector Backbone Description: Backbone Marker:Jacks Lab (MIT); Backbone Size:7566; Vector Backbone:pSico; Vector Types:Mammalian Expression, Lentiviral, RNAi, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: This plasmid contains a c4351t substitution within the shRNA. The depositing lab states that they do not know whether this mutation affects plasmid function. pSico allows for conditional (Cre-Lox), stable expression of shNKCC1. Cre expression excises GFP and allows for shNKCC1 expression.

Plasmid Name: pSico-shNKCC1

Record Creation Time: 20220422T222538+0000

Record Last Update: 20260815T082101+0000

Ratings and Alerts

No rating or validation information has been found for pSico-shNKCC1.

No alerts have been found for pSico-shNKCC1.

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](#) .

Alfonsa H, et al. (2023) Intracellular chloride regulation mediates local sleep pressure in the cortex. Nature neuroscience, 26(1), 64.