

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org/) on May 5, 2025

scramble shRNA

RRID:Addgene_1864

Type: Plasmid

Proper Citation

RRID:Addgene_1864

Plasmid Information

URL: <http://www.addgene.org/1864>

Proper Citation: RRID:Addgene_1864

Insert Name: scramble

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15718470](https://pubmed.ncbi.nlm.nih.gov/15718470/)

Vector Backbone Description: Backbone Marker:Stewart SA, RNA 2003 Apr; 9(4):493-501.; Backbone Size:7032; Vector Backbone:pLKO.1; Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

Comments: shRNA for use as a negative control. Sequence of hairpin is:CCTAAGGTTAAGTCGCCCTCGCTCGAGCGAGGGCGACTTAACCTTAGG. For packaging, please use pCMV-dR8.2 dvpr (Addgene plasmid #8455) and pCMV-VSVG (Addgene plasmid #8454). Please note that the 5' cloning site, AgeI, is typically destroyed during the shRNA cloning. Depending on the specific shRNA sequence, the site can occasionally be restored. AgeI is present in this plasmid.

Plasmid Name: scramble shRNA

Record Creation Time: 20220422T222041+0000

Record Last Update: 20231115T080555+0000

Ratings and Alerts

No rating or validation information has been found for scramble shRNA.

No alerts have been found for scramble shRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 88 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Chang C, et al. (2024) GPX3 supports ovarian cancer tumor progression in vivo and promotes expression of GDF15. bioRxiv : the preprint server for biology.

Wang D, et al. (2024) FOXA3 regulates cholesterol metabolism to compensate for low uptake during the progression of lung adenocarcinoma. PLoS biology, 22(5), e3002621.

Mobet Y, et al. (2024) AKAP8 promotes ovarian cancer progression and antagonizes PARP inhibitor sensitivity through regulating hnRNPUL1 transcription. iScience, 27(5), 109744.

Sepulveda GP, et al. (2024) DOT1L stimulates MYC/Mondo transcription factor activity by promoting its degradation cycle on chromatin. bioRxiv : the preprint server for biology.

Xiang K, et al. (2024) Chromatin Remodeling in Patient-Derived Colorectal Cancer Models. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(16), e2303379.

Shah K, et al. (2024) Regulation by the RNA-binding protein Unkempt at its effector interface. Nature communications, 15(1), 3159.

Liu S, et al. (2024) Ubiquitin C-terminal hydrolase L1 is a regulator of tumor growth and metastasis in double-negative prostate cancer. American journal of clinical and experimental urology, 12(5), 306.

Raza Q, et al. (2024) Notch signaling regulates UNC5B to suppress endothelial proliferation, migration, junction activity, and retinal plexus branching. Scientific reports, 14(1), 13603.

Rives D, et al. (2024) RNASeq highlights ATF6 pathway regulators for CHO cell engineering with different impacts of ATF6? and WFS1 knockdown on fed-batch production of IgG1. Scientific reports, 14(1), 14141.

DuBose E, et al. (2024) Neratinib, a pan ERBB/HER inhibitor, restores sensitivity of PTEN-null, BRAFV600E melanoma to BRAF/MEK inhibition. Frontiers in oncology, 14, 1191217.

Guo Y, et al. (2024) IGSF3 is a homophilic cell adhesion molecule that drives lung

metastasis of melanoma by promoting adhesion to vascular endothelium. *Cancer science*, 115(6), 1936.

Depierre P, et al. (2024) Neuronal autosis is Na⁺/K⁺-ATPase alpha 3-dependent and involved in hypoxic-ischemic neuronal death. *Cell death & disease*, 15(5), 363.

Wang Z, et al. (2024) A spatiotemporal molecular atlas of mouse spinal cord injury identifies a distinct astrocyte subpopulation and therapeutic potential of IGFBP2. *Developmental cell*, 59(20), 2787.

Azur RAG, et al. (2024) CYB561 supports the neuroendocrine phenotype in castration-resistant prostate cancer. *PloS one*, 19(5), e0300413.

Nie H, et al. (2024) Targeting branched N-glycans and fucosylation sensitizes ovarian tumors to immune checkpoint blockade. *Nature communications*, 15(1), 2853.

Royster A, et al. (2024) Modulations in the host cell proteome by the hantavirus nucleocapsid protein. *PLoS pathogens*, 20(1), e1011925.

Labbé P, et al. (2024) Knockdown of ANGPTL2 promotes left ventricular systolic dysfunction by upregulation of NOX4 in mice. *Frontiers in physiology*, 15, 1320065.

Wibbe N, et al. (2024) RhoGDI1 regulates cell-cell junctions in polarized epithelial cells. *Frontiers in cell and developmental biology*, 12, 1279723.

Mello RM, et al. (2024) BMAL1-HIF2[?] heterodimers contribute to ccRCC. *Research square*.

Murata D, et al. (2024) Slc25a3-dependent copper transport controls flickering-induced Opa1 processing for mitochondrial safeguard. *Developmental cell*, 59(19), 2578.