

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pLKO.1-sh-hSOX9-1

RRID:Addgene_40644

Type: Plasmid

Proper Citation

RRID:Addgene_40644

Plasmid Information

URL: <http://www.addgene.org/40644>

Proper Citation: RRID:Addgene_40644

Insert Name: sh-hSOX9-1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22385965](#)

Vector Backbone Description: Backbone Marker:Weinberg lab; Backbone Size:7032; Vector Backbone:pLKO.1 puro (Addgene plasmid 8453); Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

Plasmid Name: pLKO.1-sh-hSOX9-1

Record Creation Time: 20220422T222211+0000

Record Last Update: 20260815T081438+0000

Ratings and Alerts

No rating or validation information has been found for pLKO.1-sh-hSOX9-1.

No alerts have been found for pLKO.1-sh-hSOX9-1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Michelatti D, et al. (2024) Oncogenic enhancers prime quiescent metastatic cells to escape NK immune surveillance by eliciting transcriptional memory. *Nature communications*, 15(1), 2198.

Carrasco-Garcia E, et al. (2022) SOX9 Triggers Different Epithelial to Mesenchymal Transition States to Promote Pancreatic Cancer Progression. *Cancers*, 14(4).

Aldaz P, et al. (2022) High SOX9 Maintains Glioma Stem Cell Activity through a Regulatory Loop Involving STAT3 and PML. *International journal of molecular sciences*, 23(9).

Li A, et al. (2021) Using the dCas9-KRAB system to repress gene expression in hiPSC-derived NGN2 neurons. *STAR protocols*, 2(2), 100580.

Aldaz P, et al. (2020) SOX9 promotes tumor progression through the axis BMI1-p21CIP. *Scientific reports*, 10(1), 357.

López-Valero I, et al. (2020) Midkine signaling maintains the self-renewal and tumorigenic capacity of glioma initiating cells. *Theranostics*, 10(11), 5120.

Mateo F, et al. (2017) Stem cell-like transcriptional reprogramming mediates metastatic resistance to mTOR inhibition. *Oncogene*, 36(19), 2737.

Santos JC, et al. (2016) SOX9 Elevation Acts with Canonical WNT Signaling to Drive Gastric Cancer Progression. *Cancer research*, 76(22), 6735.

Luanpitpong S, et al. (2016) SLUG is required for SOX9 stabilization and functions to promote cancer stem cells and metastasis in human lung carcinoma. *Oncogene*, 35(22), 2824.

Chanvorachote P, et al. (2016) Iron induces cancer stem cells and aggressive phenotypes in human lung cancer cells. *American journal of physiology. Cell physiology*, 310(9), C728.

Carrasco-Garcia E, et al. (2016) SOX9-regulated cell plasticity in colorectal metastasis is attenuated by rapamycin. *Scientific reports*, 6, 32350.