

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

pMXs-Sox2-IP

RRID:Addgene_15919

Type: Plasmid

Proper Citation

RRID:Addgene_15919

Plasmid Information

URL: <http://www.addgene.org/15919>

Proper Citation: RRID:Addgene_15919

Insert Name: SRY-box containing gene 2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16904174](#)

Vector Backbone Description: Backbone Size:6100; Vector Backbone:pMXs-IP; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: The sequence of primer pMX-S1811 is GAC GGC ATC GCA GCT TGG ATA CAC.

Plasmid Name: pMXs-Sox2-IP

Relevant Mutation: None

Record Creation Time: 20220422T221902+0000

Record Last Update: 20260815T080825+0000

Ratings and Alerts

No rating or validation information has been found for pMXs-Sox2-IP.

No alerts have been found for pMXs-Sox2-IP.

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 [dkNET](#) .

Lado-Fernández P, et al. (2025) Transcriptional repression of SOX2 by p53 in cancer cells regulates cell identity and migration. *International journal of cancer*, 157(5), 980.

Torres-Mejia E, et al. (2025) Lung Cancer-Intrinsic SOX2 Expression Mediates Resistance to Checkpoint Blockade Therapy by Inducing Treg-Dependent CD8+ T-cell Exclusion. *Cancer immunology research*, 13(4), 496.

Katoku-Kikyo N, et al. (2023) The circadian regulator PER1 promotes cell reprogramming by inhibiting inflammatory signaling from macrophages. *PLoS biology*, 21(12), e3002419.

Kasashima H, et al. (2021) Stromal SOX2 Upregulation Promotes Tumorigenesis through the Generation of a SFRP1/2-Expressing Cancer-Associated Fibroblast Population. *Developmental cell*, 56(1), 95.

Calderon-Aparicio A, et al. (2020) RCC2 Promotes Esophageal Cancer Growth by Regulating Activity and Expression of the Sox2 Transcription Factor. *Molecular cancer research : MCR*, 18(11), 1660.

Nakagomi T, et al. (2015) Brain vascular pericytes following ischemia have multipotential stem cell activity to differentiate into neural and vascular lineage cells. *Stem cells (Dayton, Ohio)*, 33(6), 1962.

Cheng EC, et al. (2014) PIWI proteins are dispensable for mouse somatic development and reprogramming of fibroblasts into pluripotent stem cells. *PloS one*, 9(9), e97821.

Yi L, et al. (2012) Multiple roles of p53-related pathways in somatic cell reprogramming and stem cell differentiation. *Cancer research*, 72(21), 5635.