

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pMXs-hSOX2

RRID:Addgene_17218

Type: Plasmid

Proper Citation

RRID:Addgene_17218

Plasmid Information

URL: <http://www.addgene.org/17218>

Proper Citation: RRID:Addgene_17218

Insert Name: SOX2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18035408](#)

Vector Backbone Description: Backbone Size:4600; Vector Backbone:pMXs; 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-hSOX2

Relevant Mutation: None

Record Creation Time: 20220422T221959+0000

Record Last Update: 20260815T081022+0000

Ratings and Alerts

No rating or validation information has been found for pMXs-hSOX2.

No alerts have been found for pMXs-hSOX2.

Data and Source Information

Usage and Citation Metrics

We found 113 mentions in open access literature.

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

Palomino Lago E, et al. (2025) Identification of a global gene expression signature associated with the genetic risk of catastrophic fracture in iPSC-derived osteoblasts from Thoroughbred horses. *Animal genetics*, 56(1), e13504.

Hossain MJ, et al. (2025) Activation of human endogenous retroviruses by Sox proteins induces cell apoptosis via the caspase-3 pathway. *Frontiers in microbiology*, 16, 1604022.

Oles AR, et al. (2025) MyoD is essential in rhabdomyosarcoma by promoting survival through differentiation and CYLD. *iScience*, 28(8), 113149.

Weeratunga P, et al. (2025) Footprint-free induced pluripotent stem cells can be successfully differentiated into mesenchymal stromal cells in the feline model. *Stem cell research & therapy*, 16(1), 195.

Kim D, et al. (2024) Ultrasound-triggered three dimensional hyaluronic acid hydrogel promotes in vitro and in vivo reprogramming into induced pluripotent stem cells. *Bioactive materials*, 38, 331.

Palomino Lago E, et al. (2023) Equine induced pluripotent stem cells are responsive to inflammatory cytokines before and after differentiation into musculoskeletal cell types. *In vitro cellular & developmental biology. Animal*, 59(7), 514.

Borisova E, et al. (2022) Structurally-discovered KLF4 variants accelerate and stabilize reprogramming to pluripotency. *iScience*, 25(1), 103525.

von Joest M, et al. (2022) Amphiregulin mediates non-cell-autonomous effect of senescence on reprogramming. *Cell reports*, 40(2), 111074.

Son B, et al. (2022) Enhanced efficiency of generating human-induced pluripotent stem cells using Lin28-30Kc19 fusion protein. *Frontiers in bioengineering and biotechnology*, 10, 911614.

Ito K, et al. (2022) The oncogene-dependent resistance to reprogramming unveils cancer therapeutic targets. *Cell reports*, 39(4), 110721.

Tian H, et al. (2022) Induced retinal pigment epithelial cells with anti-epithelial-to-mesenchymal transition ability delay retinal degeneration. *iScience*, 25(10), 105050.

Setthawong P, et al. (2021) Molecular signature and colony morphology affect in vitro pluripotency of porcine induced pluripotent stem cells. *Reproduction in domestic animals = Zuchthygiene*, 56(8), 1104.

Wei H, et al. (2021) Activation of Wnt/ β -catenin signalling and HIF1 α stabilisation alters pluripotency and differentiation/proliferation properties of human-induced pluripotent stem cells. *Biology of the cell*, 113(3), 133.

Wang L, et al. (2021) An induced pluripotent stem cell line (CSUi004-A) from skin fibroblasts of a healthy individual. *Stem cell research*, 53, 102336.

Takahashi K, et al. (2021) The pluripotent stem cell-specific transcript ESRRG is dispensable for human pluripotency. *PLoS genetics*, 17(5), e1009587.

Glaß H, et al. (2020) Combined Dendritic and Axonal Deterioration Are Responsible for Motoneuronopathy in Patient-Derived Neuronal Cell Models of Chorea-Acanthocytosis. *International journal of molecular sciences*, 21(5).

Kim KP, et al. (2020) Generation of a human iPSC line (MPLi007-A) from a patient with Metachromatic leukodystrophy. *Stem cell research*, 48, 101993.

Kim KP, et al. (2020) Reprogramming competence of OCT factors is determined by transactivation domains. *Science advances*, 6(36).

Kim KP, et al. (2020) Generation of a human iPSC line (MPLi006-A) from a patient with Pelizaeus-Merzbacher disease. *Stem cell research*, 46, 101839.

Takahashi K, et al. (2020) Critical Roles of Translation Initiation and RNA Uridylation in Endogenous Retroviral Expression and Neural Differentiation in Pluripotent Stem Cells. *Cell reports*, 31(9), 107715.