

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pIS1

RRID:Addgene_12179

Type: Plasmid

Proper Citation

RRID:Addgene_12179

Plasmid Information

URL: <http://www.addgene.org/12179>

Proper Citation: RRID:Addgene_12179

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Bartel Lab; Backbone Size:4085; Vector Backbone:pIS1; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: pIS1 was derived from pRL-TK by adding more cloning sites. The plasmid contains a renilla luciferase reporter driven by the HSV TK promoter. Search Addgene's vector database for more information on pRL-TK from Promega.

Plasmid Name: pIS1

Record Creation Time: 20220422T221637+0000

Record Last Update: 20260725T073647+0000

Ratings and Alerts

No rating or validation information has been found for pIS1.

No alerts have been found for pIS1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Xu J, et al. (2025) Loss of YTHDC1 m6A reading function promotes invasiveness in urothelial carcinoma of the bladder. *Experimental & molecular medicine*, 57(1), 118.

Wei J, et al. (2025) Transition of CELF2 PAS usage promotes recovery of refractory JDM through alternative splicing regulation of CTSB. *Molecular therapy. Nucleic acids*, 36(3), 102624.

Manissorn J, et al. (2023) Effects of Chemical Additives in Refolding Buffer on Recombinant Human BMP-2 Dimerization and the Bioactivity on SaOS-2 Osteoblasts. *ACS omega*, 8(2), 2065.

Barrington CL, et al. (2023) Synonymous codon usage regulates translation initiation. *Cell reports*, 42(12), 113413.

Pizzolato G, et al. (2022) The oncogenic transcription factor FOXQ1 is a differential regulator of Wnt target genes. *Journal of cell science*, 135(19).

Molinas A, et al. (2021) The Candidate IBD Risk Gene CCNY Is Dispensable for Intestinal Epithelial Homeostasis. *Cells*, 10(9).

Li X, et al. (2020) High-Resolution In Vivo Identification of miRNA Targets by Halo-Enhanced Ago2 Pull-Down. *Molecular cell*, 79(1), 167.

Yang CH, et al. (2020) MicroRNA-Independent Modulation of DICER1 Expression by hAgo2. *Molecular and cellular biology*, 40(20).

Voronkova MA, et al. (2020) The SOX9-Aldehyde Dehydrogenase Axis Determines Resistance to Chemotherapy in Non-Small-Cell Lung Cancer. *Molecular and cellular biology*, 40(2).

Liu B, et al. (2019) The lineage stability and suppressive program of regulatory T cells require protein O-GlcNAcylation. *Nature communications*, 10(1), 354.

Weiler J, et al. (2019) Minocycline impairs TNF- α -induced cell fusion of M13SV1-Cre cells with MDA-MB-435-pFDR1 cells by suppressing NF- κ B transcriptional activity and its induction of target-gene expression of fusion-relevant factors. *Cell communication and signaling : CCS*, 17(1), 71.

Iezaki T, et al. (2018) Translational Control of Sox9 RNA by mTORC1 Contributes to Skeletogenesis. *Stem cell reports*, 11(1), 228.

Dutta D, et al. (2018) Lanthionine synthetase C-like protein 2 (LanCL2) is important for adipogenic differentiation. *Journal of lipid research*, 59(8), 1433.

Hezroni H, et al. (2017) A subset of conserved mammalian long non-coding RNAs are fossils of ancestral protein-coding genes. *Genome biology*, 18(1), 162.

Wissink EM, et al. (2016) High-throughput discovery of post-transcriptional cis-regulatory elements. BMC genomics, 17, 177.

Torrado B, et al. (2016) Ciliary Entry of the Hedgehog Transcriptional Activator Gli2 Is Mediated by the Nuclear Import Machinery but Differs from Nuclear Transport in Being Imp-1-Independent. PloS one, 11(8), e0162033.

Wang X, et al. (2013) Krüppel-like factor 8 promotes tumorigenic mammary stem cell induction by targeting miR-146a. American journal of cancer research, 3(4), 356.