

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pMS2-GFP

RRID:Addgene_27121

Type: Plasmid

Proper Citation

RRID:Addgene_27121

Plasmid Information

URL: <http://www.addgene.org/27121>

Proper Citation: RRID:Addgene_27121

Insert Name: MS2

Organism: bacteriophage MS2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12546792](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:pEGFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Under the control of the promoter of the large subunit of RNA polymerase II
NB: There is a 14aa gap in the MS2 sequence starting at aa#67 when compared with
GenBank ID: NP_040648.1

Plasmid Name: pMS2-GFP

Record Creation Time: 20220422T222122+0000

Record Last Update: 20260808T081500+0000

Ratings and Alerts

No rating or validation information has been found for pMS2-GFP.

No alerts have been found for pMS2-GFP.

Data and Source Information

Usage and Citation Metrics

We found 43 mentions in open access literature.

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

Geng S, et al. (2025) PIF/harbinger transposon-derived protein promotes 7SL expression to enhance pathogen resistance. EMBO reports, 26(5), 1196.

Hostetler JE, et al. (2025) The long noncoding RNA Peanut (Gm11454) promotes neurogenesis and rod photoreceptor differentiation during postnatal retinal development. bioRxiv : the preprint server for biology.

Zhang J, et al. (2024) m5C methylated lncRncr3-MeCP2 interaction restricts miR124a-initiated neurogenesis. Nature communications, 15(1), 5136.

Zheng W, et al. (2024) CircYthdc2 generates polypeptides through two translation strategies to facilitate virus escape. Cellular and molecular life sciences : CMLS, 81(1), 91.

Wang G, et al. (2024) Long noncoding RNA ZFAS1 exerts a suppressive impact on ferroptosis by modulating the miR-150/AIFM2 axis in hepatocellular carcinoma cells. Heliyon, 10(17), e37225.

Li L, et al. (2023) The novel RNA-RNA activation of H19 on MyoD transcripts promoting myogenic differentiation of goat muscle satellite cells. International journal of biological macromolecules, 253(Pt 7), 127341.

Tan X, et al. (2023) EMT-activated secretory and endocytic vesicular trafficking programs underlie a vulnerability to PI4K2A antagonism in lung cancer. The Journal of clinical investigation, 133(7).

Estell C, et al. (2023) A restrictor complex of ZC3H4, WDR82, and ARS2 integrates with PNUTS to control unproductive transcription. Molecular cell, 83(13), 2222.

Rovira E, et al. (2022) U1A is a positive regulator of the expression of heterologous and cellular genes involved in cell proliferation and migration. Molecular therapy. Nucleic acids, 28, 831.

Xiong M, et al. (2021) LncRNA DANCER represses Doxorubicin-induced apoptosis through stabilizing MALAT1 expression in colorectal cancer cells. Cell death & disease, 12(1), 24.

Markaki Y, et al. (2021) Xist nucleates local protein gradients to propagate silencing across the X chromosome. Cell, 184(25), 6174.

Zhao X, et al. (2020) LncRNA UCA1 maintains the low-tumorigenic and nonmetastatic status by stabilizing E-cadherin in primary prostate cancer cells. Molecular carcinogenesis, 59(10), 1174.

Boukhatmi H, et al. (2020) Notch Mediates Inter-tissue Communication to Promote Tumorigenesis. *Current biology : CB*, 30(10), 1809.

Katz N, et al. (2019) Synthetic 5' UTRs Can Either Up- or Downregulate Expression upon RNA-Binding Protein Binding. *Cell systems*, 9(1), 93.

Lee C, et al. (2019) Dynamics of Notch-Dependent Transcriptional Bursting in Its Native Context. *Developmental cell*, 50(4), 426.

Katz N, et al. (2019) An Assay for Quantifying Protein-RNA Binding in Bacteria. *Journal of visualized experiments : JoVE*(148).

Wu L, et al. (2018) lncRNA KRAL reverses 5-fluorouracil resistance in hepatocellular carcinoma cells by acting as a ceRNA against miR-141. *Cell communication and signaling : CCS*, 16(1), 47.

Zhang J, et al. (2018) Long noncoding RNA CYTOR sponges miR-195 to modulate proliferation, migration, invasion and radiosensitivity in nonsmall cell lung cancer cells. *Bioscience reports*, 38(6).

Fang Y, et al. (2018) lncRNA H19 functions as an Aquaporin 1 competitive endogenous RNA to regulate microRNA-874 expression in LPS sepsis. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 105, 1183.

Akiyama H, et al. (2018) HIV-1 intron-containing RNA expression induces innate immune activation and T cell dysfunction. *Nature communications*, 9(1), 3450.