

Resource Summary Report

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

[pMD2.G](#)

RRID:Addgene_12259

Type: Plasmid

Proper Citation

RRID:Addgene_12259

Plasmid Information

URL: <http://www.addgene.org/12259>

Proper Citation: RRID:Addgene_12259

Insert Name: VSV G

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pMD2.G; Vector Types:Mammalian Expression, Lentiviral, Envelope; Bacterial Resistance:Ampicillin

Comments: Please note that this plasmid runs as a dimer (>11kb). While this may reduce DNA yield, the plasmid still functions as expected for lentivirus packaging. Envelope plasmid. Known to work with most Aebischer and Trono lab lentiviral vectors, as well as the pLKO system. Please visit the Trono lab <http://tronolab.epfl.ch> for cloning strategies, protocols, publications, and more.

Plasmid Name: pMD2.G

Record Creation Time: 20220422T221641+0000

Record Last Update: 20260725T073655+0000

Ratings and Alerts

- Used for DNA packaging by the Human Islet Research Network community. Contact(s): [Seung Kim](#), [Patrick MacDonald](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for pMD2.G.

Data and Source Information

Usage and Citation Metrics

We found 7567 mentions in open access literature.

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

Xiao L, et al. (2026) TWEAK modulates the characteristics of periodontal ligament stem cells via the Fn14/NF- κ B pathway. International journal of molecular medicine, 57(1).

Liparulo I, et al. (2026) A clickable CoQ imaging probe reveals that cellular uptake and lysosomal trafficking depend on CD36 and NPC1. Redox biology, 89, 103936.

Uible EE, et al. (2026) Scaffolding-dependent CASP1 constrains excessive cell-intrinsic inflammatory signaling in leukemia. Cell chemical biology, 33(1), 59.

Mirzaei R, et al. (2026) Spatial single-cell profiling identifies protein kinase C δ -expressing microglia with anti-tumor function in glioblastoma. iScience, 29(1), 114281.

Rainwater RR, et al. (2026) DNA-PKcs controls the cytotoxic T cell response to cancer and transplant allograft through regulating LAT-dependent signaling. Cell reports, 45(1), 116796.

Li L, et al. (2026) Ubiquitination-directed cytosolic DNA degradation governs cGAS-STING-mediated immune response to DNA damage. Cancer cell.

Pan R, et al. (2026) Basement membrane-associated gene P3H2 regulates osteosarcoma progression and epithelial-mesenchymal transition through AKT/mTOR signaling axis. Translational oncology, 63, 102569.

Wang Y, et al. (2026) LncRNA DANCER Activates p38/mTOR-Mediated Autophagy via ANXA2 to Exacerbate Oxygen-Induced Retinal Neovascularization in Mice. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(1), e71364.

Kurochkin I, et al. (2026) A combinatorial transcription factor screening platform for immune cell reprogramming. Cell systems, 101457.

Hurley K, et al. (2026) PARP1 recruits SPRTN to DNA-protein crosslinks through a conserved poly-ADP-ribose binding domain. bioRxiv : the preprint server for biology.

Li J, et al. (2026) Single-cell screens identify ADAM12 as a fibroblast checkpoint impeding anti-tumor immunity. Cancer cell.

Khan F, et al. (2026) Microglial TBK1 Signaling Promotes Breast Cancer Brain Metastasis. Cancer research, 86(1), 12.

Umhoefer JM, et al. (2026) FOXP3 expression depends on cell-type-specific cis-regulatory elements and transcription factor circuitry. Immunity, 59(1), 129.

Drekolia MK, et al. (2026) Cystine import and oxidative catabolism fuel vascular growth and repair via nutrient-responsive histone acetylation. *Cell metabolism*, 38(1), 115.

Mukherjee A, et al. (2026) Membrane potential mediates the cellular response to mechanical pressure. *Cell*, 189(1), 143.

Guo W, et al. (2026) Tumor-initiating stem cells fine-tune the plasticity of neutrophils to sculpt a protective niche. *Cancer cell*, 44(1), 94.

Bernardi F, et al. (2026) Multiomic integration reveals tumoral heterogeneity of lipid dependence within lethal group 3 medulloblastoma. *Cancer cell*.

Lu PC, et al. (2026) Pathogenic podocin variants exhibit distinct defects in trafficking, membrane organization, and degradation pathways. *European journal of cell biology*, 105(1), 151526.

Bianchi N, et al. (2026) FCRL3 is an immunoregulatory receptor that restrains the activation of human memory T lymphocytes. *The Journal of experimental medicine*, 223(1).

Li X, et al. (2026) The TCR-SUB1-DOCK2 axis promotes autoimmunity by driving pathogenic CD4⁺ T cell tissue infiltration. *Immunity*, 59(1), 98.