

Resource Summary Report

Generated by [NIF](#) on Aug 27, 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: 20260815T080346+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 8105 mentions in open access literature.

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

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.

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).

Jain SU, et al. (2026) A SWI/SNF-specific Ig-like domain, SWIFT, is a transcription factor binding platform. *Science (New York, N.Y.)*, 392(6793), eaeb3627.

Kumar R, et al. (2026) Androgen Receptor Drives Polyamine Synthesis, Creating a Vulnerability for Prostate Cancer. *Cancer research*, 86(5), 1148.

Lee S, et al. (2026) Functional characterization of SDHB variants clarifies hereditary pheochromocytoma and paraganglioma risk and genotype-phenotype relationships. *The Journal of clinical investigation*, 136(4).

Shi T, et al. (2026) EP4 influences bortezomib resistance in multiple myeloma by modulating endoplasmic reticulum stress via the phosphatidylinositol 3-kinase/protein kinase B pathway. *Anti-cancer drugs*, 37(4), 280.

Mateus-Tique J, et al. (2026) Armored macrophage-targeted CAR-T cells reset and reprogram the tumor microenvironment and control metastatic cancer growth. *Cancer cell*, 44(3), 534.

Utgaard ME, et al. (2026) Mechanically-induced Septin Networks Protect Nuclear Integrity. *bioRxiv : the preprint server for biology*.

Zhang H, et al. (2026) Programmable iPSC-derived CAR-NK vesicles remodel the immune microenvironment and eradicate tumors. *Cell reports. Medicine*, 7(2), 102545.

Srivastava S, et al. (2026) Adgrg6/Gpr126 is required for compact wall integrity and establishing trabecular identity during cardiac trabeculation. *Nature communications*, 17(1), 1484.

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.

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.

Li X, et al. (2026) IGF2BP3/m6A-mediated intron retention isoform of DUSP6 promotes cisplatin resistance in nasopharyngeal carcinoma by inhibiting pyroptosis. *BMC cancer*, 26(1), 214.

Kim AS, et al. (2026) Integrated phenotypic screening and chemical proteomics identifies ETF1 ligands that modulate viral translation and replication. *Proceedings of the National Academy of Sciences of the United States of America*, 123(5), e2524108123.

Al-Mesitef S, et al. (2026) Context-specific Angiogenin-mediated tRNA fragments (tDRs) biogenesis shapes the mitochondrial stress response. *Redox biology*, 90, 104038.

Daly J, et al. (2026) CRISPR activation screens map the genomic landscape of cancer glycome remodeling. *Cell genomics*, 6(4), 101139.

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

Sabatier M, et al. (2026) GPX4 Inhibitor Resistance and Metastatic Features in Triple-Negative Breast Cancer. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(23), e23198.