Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 29, 2025

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

Defining Citation: PMID:

Vector Backbone Description: Vector Backbone:pMD2.G; Vector Types:Mammalian Expression, Lentiviral, Other, 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 viral 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: 20220527T080053+0000

Ratings and Alerts

No rating or validation information has been found for pMD2.G.

No alerts have been found for pMD2.G.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1990 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Fu W, et al. (2025) Tau is a receptor with low affinity for glucocorticoids and is required for glucocorticoid-induced bone loss. Cell research, 35(1), 23.

Lee J, et al. (2025) Therapeutic potential of anti-ErbB3 chimeric antigen receptor natural killer cells against breast cancer. Cancer immunology, immunotherapy : CII, 74(2), 73.

Wang M, et al. (2025) Gut microbiota protect against colorectal tumorigenesis through lncRNA Snhg9. Developmental cell.

Dunlap KN, et al. (2025) SLC7A5 is required for cancer cell growth under arginine-limited conditions. Cell reports, 44(1), 115130.

Zhang JZ, et al. (2025) Single-cell sensor analyses reveal signaling programs enabling Ras-G12C drug resistance. Nature chemical biology, 21(1), 47.

Matusova Z, et al. (2025) Aberrant neurodevelopment in human iPS cell-derived models of Alexander disease. Glia, 73(1), 57.

Kesharwani A, et al. (2025) Modeling vascular dynamics at the initial stage of endochondral ossification on a microfluidic chip using a human embryonic-stem-cell-derived organoid. Regenerative therapy, 28, 90.

Cates K, et al. (2025) Fate erasure logic of gene networks underlying direct neuronal conversion of somatic cells by microRNAs. Cell reports, 44(1), 115153.

Liu XT, et al. (2024) Targeting the SphK1/S1P/PFKFB3 axis suppresses hepatocellular carcinoma progression by disrupting glycolytic energy supply that drives tumor angiogenesis. Journal of translational medicine, 22(1), 43.

Xu X, et al. (2024) EBV abortive lytic cycle promotes nasopharyngeal carcinoma progression through recruiting monocytes and regulating their directed differentiation. PLoS pathogens, 20(1), e1011934.

Walton BL, et al. (2024) A programmable arthritis-specific receptor for guided articular cartilage regenerative medicine. bioRxiv : the preprint server for biology.

Yang L, et al. (2024) Uncovering receptor-ligand interactions using a high-avidity CRISPR activation screening platform. Science advances, 10(7), eadj2445.

Knauer C, et al. (2024) Preclinical evaluation of CRISPR-based therapies for Noonan syndrome caused by deep-intronic LZTR1 variants. Molecular therapy. Nucleic acids, 35(1), 102123.

Griesinger AM, et al. (2024) Development of Chromosome 1q+ Specific Treatment for Highest Risk Pediatric Posterior Fossa Ependymoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(8), 1544.

Diaz LR, et al. (2024) Ribogenesis boosts controlled by HEATR1-MYC interplay promote transition into brain tumour growth. EMBO reports, 25(1), 168.

Wu Y, et al. (2024) FBXO38 deficiency promotes lysosome-dependent STING degradation and inhibits cGAS-STING pathway activation. Neoplasia (New York, N.Y.), 49, 100973.

Su C, et al. (2024) Vascular injury activates the ELK1/SND1/SRF pathway to promote vascular smooth muscle cell proliferative phenotype and neointimal hyperplasia. Cellular and molecular life sciences : CMLS, 81(1), 59.

Nikotina AD, et al. (2024) Novel mechanism of drug resistance triggered by tumor-associated macrophages through Heat Shock Factor-1 activation. Cancer immunology, immunotherapy : CII, 73(2), 25.

Xu Y, et al. (2024) Reconstitution of human PDAC using primary cells reveals oncogenic transcriptomic features at tumor onset. Nature communications, 15(1), 818.

Osei-Amponsa V, et al. (2024) hRpn13 shapes the proteome and transcriptome through epigenetic factors HDAC8, PADI4, and transcription factor NF-?B p50. Molecular cell, 84(3), 522.