

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

pCMV-VSV-G

RRID:Addgene_8454

Type: Plasmid

Proper Citation

RRID:Addgene_8454

Plasmid Information

URL: <http://www.addgene.org/8454>

Proper Citation: RRID:Addgene_8454

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12649500](https://pubmed.ncbi.nlm.nih.gov/12649500/)

Vector Backbone Description: Backbone Size:6363; Vector Backbone:na; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: VSVG envelope protein, for use with lentiviral and MuLV vectors. The 293T cell line can be obtained from the Weinberg lab or GenHunter <http://genhunter.com/products/aptag-3/index.html>

Plasmid Name: pCMV-VSV-G

Record Creation Time: 20220422T222545+0000

Record Last Update: 20260725T075256+0000

Ratings and Alerts

- Used for construct by the Human Islet Research Network community. Contact(s): [Mark S. Anderson](#), [Alok Joglekar](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for pCMV-VSV-G.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1588 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

M??ller TG, et al. (2026) Lenacapavir-induced capsid damage uncovers HIV-1 genomes emanating from nuclear speckles. *The EMBO journal*, 45(2), 449.

Carlson HL, et al. (2026) MYST acetyltransferases are a targetable therapeutic vulnerability in SETBP1-mutant leukemia. *bioRxiv : the preprint server for biology*.

Yu S, et al. (2026) A CLOCK-targeting lncRNA induces trained immunity against tuberculosis. *Cell host & microbe*, 34(1), 68.

Tomasini C, et al. (2026) Decoding the biogenesis of HIV-induced CPSF6 puncta and their fusion with nuclear speckles. *eLife*, 13.

Avinery L, et al. (2026) Hypoxic conditions confer chemoresistance to crizotinib but not to imatinib in chronic myeloid leukemia cells. *Hematology, transfusion and cell therapy*, 48(2), 106240.

Li G, et al. (2026) Mitochondrial VHL rewires cell metabolism in hypoxia. *Cell metabolism*, 38(1), 174.

Zhang P, et al. (2025) A CRISPR-Cas9 screen reveals genetic determinants of the cellular response to decitabine. *EMBO reports*, 26(6), 1528.

Zhao H, et al. (2025) Genetically Defined Organoid Models Reveal Mechanisms Driving Squamous Cell Neoplastic Evolution and Identify Potential Therapeutic Vulnerabilities. *bioRxiv : the preprint server for biology*.

Fan C, et al. (2025) Identification of a SNAI1 enhancer RNA that drives cancer cell plasticity. *Nature communications*, 16(1), 2890.

Walsh RM, et al. (2025) Depletion of tumor-derived CXCL5 improves T cell infiltration and anti-PD-1 therapy response in an obese model of pancreatic cancer. *Journal for immunotherapy of cancer*, 13(3).

Pulice JL, et al. (2025) Amplified dosage of the NKX2-1 lineage transcription factor controls its oncogenic role in lung adenocarcinoma. *Molecular cell*, 85(7), 1311.

Wang B, et al. (2025) CD4+ T helper 2 cell-macrophage crosstalk induces IL-24-mediated breast cancer suppression. *JCI insight*, 10(1).

Wei J, et al. (2025) PlexinD1 is a driver and a therapeutic target in advanced prostate cancer. *EMBO molecular medicine*, 17(2), 336.

Caggiano R, et al. (2025) Suppression of ADP-ribosylation reversal triggers cell vulnerability to alkylating agents. *Neoplasia (New York, N.Y.)*, 59, 101092.

- Pan J, et al. (2025) Obesity and cervical intraepithelial neoplasia: regulation of mitochondrial energy metabolism via the Kisspeptin/GPR54 signaling pathway. *Cancer & metabolism*, 13(1), 31.
- Chen Z, et al. (2025) RIPK1 senses S-adenosylmethionine scarcity to drive cell death and inflammation. *Cell metabolism*, 37(8), 1732.
- Saxena T, et al. (2025) EGFR-induced lncRNA TRIDENT promotes drug resistance in non-small cell lung cancer via phospho-TRIM28-mediated DNA damage repair. *Proceedings of the National Academy of Sciences of the United States of America*, 122(10), e2415389122.
- Bezawork-Geleta A, et al. (2025) Proximity proteomics reveals a mechanism of fatty acid transfer at lipid droplet-mitochondria- endoplasmic reticulum contact sites. *Nature communications*, 16(1), 2135.
- Chiu DK, et al. (2025) Tumor-derived erythropoietin acts as an immunosuppressive switch in cancer immunity. *Science (New York, N.Y.)*, 388(6745), eadr3026.
- Shen Y, et al. (2025) m6A deficiency impairs hypothalamic neurogenesis of feeding-related neurons in mice and human organoids and leads to adult obesity in mice. *Cell stem cell*, 32(5), 727.