

Resource Summary Report

Generated by [NIF](#) on Sep 5, 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](#)

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: 20260905T080231+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 1704 mentions in open access literature.

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

Zhu M, et al. (2026) SNAP25 undergoes phase separation to facilitate the assembly of the synaptic vesicle fusion machinery. *Cell reports*, 45(2), 116983.

Curiel-Gomez E, et al. (2026) Pancreatic Cancer Stem Cells Co-Expressing SOX2, OCT4, and TERT High Represent an Aggressive Subpopulation. *Cells*, 15(2).

Gao J, et al. (2026) Mutations in VPS18 lead to a neutrophil maturation defect associated with disturbed vesicle homeostasis. *Cell death & disease*, 17(1), 180.

Bandesh K, et al. (2026) Deep single-cell decoding of human pancreatic islets reveals T2D β -cell gene expression defects. *The EMBO journal*, 45(11), 3978.

Zheng YH, et al. (2026) A pH-driven receptor switch from ACE2 to NPC1 enables endosomal entry of SARS-CoV-2. *Research square*.

Wang D, et al. (2026) PRMT5 is Frequently Upregulated and a Potential Therapeutic Target in MTAP-deficient Malignant Peripheral Nerve Sheath Tumors. *bioRxiv : the preprint server for biology*.

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

Bonilla G, et al. (2026) Multiomic analysis of clonal development reveals new regulators of leukemic cell growth. *Genes & development*, 40(7-8), 563.

Hu X, et al. (2026) Identification of the mitochondria-related gene IRF7 shared by physical exercise and Parkinson's disease and exploration of its potential molecular mechanisms. *PeerJ*, 14, e20994.

Marpeaux L, et al. (2026) A supracellular actin network transmits forces over long distances at the apical surface of squamous carcinoma cells. *Journal of cell science*, 139(4).

Kureshi CTS, et al. (2026) Dendritic cell redundancy enables priming of anti-tumor CD4⁺ T cells in pancreatic cancer. *Cancer cell*, 44(7), 1381.

Fujino T, et al. (2026) Development of CAR T cells Targeting a Surface RNA Binding Protein for the Treatment of Acute Leukemias. *Cancer discovery*.

Kranrod JW, et al. (2026) Establishing a direct interaction between the 19,20-EDP analog SA-22 and SIRT3: impact on cardiac mitochondrial homeostasis. *Frontiers in pharmacology*, 17, 1805965.

Vendramin R, et al. (2026) Nonsense-mediated mRNA decay inhibition reshapes the cancer immunopeptidome. *Immunity*, 59(5), 1398.

Gulyas L, et al. (2026) Cleavage of the RNA polymerase II general transcription factor TFIIB tunes transcription during stress. *Genes & development*, 40(13-14), 1045.

Perng YC, et al. (2026) ISG15 negatively regulates RIPK3-mediated cell death and viral pathogenesis. *Cell reports*, 45(5), 117360.

He Z, et al. (2026) PIP4K2A/2B inhibitor suppresses tumor growth in a xenograft model of NSCLC. *iScience*, 29(6), 115952.

Yang HJ, et al. (2026) SMARCA4 activation engages FOSL1 to drive enhancer reprogramming and tumorigenic phenotypes in SMARCA4-deficient LUAD cells. *Cell death discovery*, 12(1).

Ge X, et al. (2026) PI3K Regulates Wild-type RAS Signaling to Confer Resistance to KRAS Inhibition. *Cancer research*, 86(15), 3819.

Gierisch ME, et al. (2026) Mitochondria serve as a holdout compartment for aggregation-prone proteins hindering efficient degradation. *Nature communications*, 17(1).