

Resource Summary Report

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

pCAG-D12L

RRID:Addgene_89161

Type: Plasmid

Proper Citation

RRID:Addgene_89161

Plasmid Information

URL: <http://www.addgene.org/89161>

Proper Citation: RRID:Addgene_89161

Insert Name: Vaccinia virus D12L

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28137864](#)

Vector Backbone Description: Backbone Size:5713; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAG-D12L

Record Creation Time: 20220422T222607+0000

Record Last Update: 20260725T075331+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-D12L.

No alerts have been found for pCAG-D12L.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Kobayashi T, et al. (2025) Plasmid-Based Reverse Genetics System Enabling One-Step Generation of Genotype 3 Hepatitis E Virus. *Viruses*, 17(5).

Valusenko-Mehrkens R, et al. (2025) Engineering human/simian rotavirus VP7 reassortants in the absence of UTR sequence information. *Applied microbiology and biotechnology*, 109(1), 52.

Dhar D, et al. (2024) Sequences at gene segment termini inclusive of untranslated regions and partial open reading frames play a critical role in mammalian orthoreovirus S gene packaging. *PLoS pathogens*, 20(2), e1012037.

Liu C, et al. (2024) Establishment of a reverse genetics system for an epidemic strain of porcine rotavirus JXAY01 type G5P[23]I12. *Frontiers in veterinary science*, 11, 1512327.

Valusenko-Mehrkens R, et al. (2024) VP4 Mutation Boosts Replication of Recombinant Human/Simian Rotavirus in Cell Culture. *Viruses*, 16(4).

Boudreault S, et al. (2022) Reovirus $\sigma 2$ protein modulates host cell alternative splicing by reducing protein levels of U5 snRNP core components. *Nucleic acids research*, 50(9), 5263.

Scholz J, et al. (2021) The Translated Amino Acid Sequence of an Insertion in the Hepatitis E Virus Strain 47832c Genome, But Not the RNA Sequence, Is Essential for Efficient Cell Culture Replication. *Viruses*, 13(5).

Criglar JM, et al. (2020) A Genetically Engineered Rotavirus NSP2 Phosphorylation Mutant Impaired in Viroplasm Formation and Replication Shows an Early Interaction between vNSP2 and Cellular Lipid Droplets. *Journal of virology*, 94(15).

Scholz J, et al. (2020) Establishment of a Plasmid-Based Reverse Genetics System for the Cell Culture-Adapted Hepatitis E Virus Genotype 3c Strain 47832c. *Pathogens (Basel, Switzerland)*, 9(3).

Buttafuoco A, et al. (2020) Conserved Rotavirus NSP5 and VP2 Domains Interact and Affect Viroplasm. *Journal of virology*, 94(7).

Martínez JL, et al. (2019) The Guanine Nucleotide Exchange Factor GBF1 Participates in Rotavirus Replication. *Journal of virology*, 93(19).

Wada M, et al. (2018) Interplay between coronavirus, a cytoplasmic RNA virus, and nonsense-mediated mRNA decay pathway. *Proceedings of the National Academy of Sciences of the United States of America*, 115(43), E10157.