Resource Summary Report

Generated by RRID on Aug 27, 2026

T7opt in pCAGGS

RRID:Addgene_65974
Type: Plasmid

Proper Citation

RRID:Addgene_65974

Plasmid Information

URL: http://www.addgene.org/65974

Proper Citation: RRID:Addgene_65974

Insert Name: T7-opt

Organism: bacteriophage

Bacterial Resistance: Ampicillin

Defining Citation: PMID:25392218

Vector Backbone Description: Backbone Size:4729; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: T7opt in pCAGGS

Record Creation Time: 20220422T222415+0000

Record Last Update: 20260815T081822+0000

Ratings and Alerts

No rating or validation information has been found for T7opt in pCAGGS.

No alerts have been found for T7opt in pCAGGS.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Haas GD, et al. (2026) De novo recovery of Ghana virus, an African bat Henipavirus, reveals differential tropism and attenuated pathogenicity compared to Nipah virus. Cell reports, 45(3), 117074.

Buchanan FJT, et al. (2026) Efficient Plasmid-Based Rescue of T7 RNA Polymerase-Driven Calicivirus Reverse Genetics Systems in Mammalian Cells Using Vaccinia Virus RNA-Capping Enzymes. Viruses, 18(5).

Erickson R, et al. (2026) Comparison of Vaccine Platforms for Machupo Virus. Vaccines, 14(4).

Verhaegen M, et al. (2025) Sec61 translocon inhibitor flavitransin blocks selectively dengue virus polyprotein insertion in the ER with pan-orthoflavivirus antiviral potency. Cell reports, 44(12), 116642.

Wong AK, et al. (2025) Trans-Synaptic Virus Tracing Reveals Reciprocal Connections of the Interpeduncular Nucleus With the Mood, Exteroceptive, Interoceptive, and Motor Control Systems. The Journal of comparative neurology, 533(11), e70105.

Martínez-Pérez M, et al. (2025) A Fluorescent Reporter Virus Toolkit for Interrogating Enterovirus Biology and Host Interactions. Viruses, 17(6).

Woods Acevedo MA, et al. (2025) Immune cells promote paralytic disease in mice infected with enterovirus D68. The Journal of clinical investigation, 135(15).

Carmichael JC, et al. (2025) Precision engineering of human cytomegalovirus without BAC constraints: a Sendai virus-delivered CRISPR/Cas9 approach. The Journal of general virology, 106(7).

Miazgowicz KL, et al. (2025) Chimeric Vesicular Stomatitis Virus Bearing Western Equine Encephalitis Virus Envelope Proteins E2-E1 Is a Suitable Surrogate for Western Equine Encephalitis Virus in a Plaque Reduction Neutralization Test. Viruses, 17(8).

Oraby AK, et al. (2025) A single amino acid mutation alters multiple neutralization epitopes in the respiratory syncytial virus fusion glycoprotein. Npj viruses, 3(1), 33.

Rius-Salvador M, et al. (2024) Cetylpyridinium chloride and chlorhexidine show antiviral activity against Influenza A virus and Respiratory Syncytial virus in vitro. PloS one, 19(2), e0297291.

Friedhoff R, et al. (2024) RNA replication-independent, DNA linearization-dependent expression of reporter genes from a SARS-CoV-2 replicon-encoding DNA in human cells. PloS one, 19(8), e0300491.

Marqués MC, et al. (2024) An efficient plasmid-based system for the recovery of recombinant vesicular stomatitis virus encoding foreign glycoproteins. Scientific reports, 14(1), 14644.

Kudrov GA, et al. (2023) [Intranasal vaccine against COVID-19 based on a recombinant variant of the Sendai virus (Paramyxoviridae: Respirovirus) strain Moscow]. Voprosy virusologii, 68(3), 215.

Mulgaonkar N, et al. (2023) In silico and in vitro evaluation of imatinib as an inhibitor for SARS-CoV-2. Journal of biomolecular structure & dynamics, 41(7), 3052.

Latorre V, et al. (2022) Identification of Cytoplasmic Chaperone Networks Relevant for Respiratory Syncytial Virus Replication. Frontiers in microbiology, 13, 880394.

Pickin MJ, et al. (2022) Comparison of Crimean-Congo Hemorrhagic Fever Virus and Aigai Virus in Life Cycle Modeling Systems Reveals a Difference in L Protein Activity. Journal of virology, 96(13), e0059922.

Mattenberger F, et al. (2021) Increased RNA virus population diversity improves adaptability. Scientific reports, 11(1), 6824.

Mykytyn AZ, et al. (2021) SARS-CoV-2 entry into human airway organoids is serine protease-mediated and facilitated by the multibasic cleavage site. eLife, 10.

Mykytyn AZ, et al. (2021) Susceptibility of rabbits to SARS-CoV-2. Emerging microbes & infections, 10(1), 1.