

# Resource Summary Report

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

## T7opt in pCAGGS

RRID:Addgene\_65974

Type: Plasmid

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### Proper Citation

RRID:Addgene\_65974

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### 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:** 20260725T075013+0000

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### Ratings and Alerts

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

No alerts have been found for T7opt in pCAGGS.

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### Data and Source Information

**Source:** [Addgene](#)

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### Usage and Citation Metrics

We found 23 mentions in open access literature.

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

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.

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.

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

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

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).

Miazgowiec 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).

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.

Mattenberger F, et al. (2021) Globally defining the effects of mutations in a picornavirus capsid. *eLife*, 10.

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

Busse DC, et al. (2020) Interferon-Induced Protein 44 and Interferon-Induced Protein 44-Like Restrict Replication of Respiratory Syncytial Virus. *Journal of virology*, 94(18).

Fonseca JP, et al. (2019) A Toolkit for Rapid Modular Construction of Biological Circuits in Mammalian Cells. *ACS synthetic biology*, 8(11), 2593.