

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

AAV phSyn1(S)-tdTomato-WPRE

RRID:Addgene_51506

Type: Plasmid

Proper Citation

RRID:Addgene_51506

Plasmid Information

URL: <http://www.addgene.org/51506>

Proper Citation: RRID:Addgene_51506

Insert Name: tdTomato

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24695228](#)

Vector Backbone Description: Backbone Marker:Stratagene; Vector Backbone:pAAV-MCS; Vector Types:AAV; Bacterial Resistance:Ampicillin

Plasmid Name: AAV phSyn1(S)-tdTomato-WPRE

Record Creation Time: 20220422T222303+0000

Record Last Update: 20260808T081804+0000

Ratings and Alerts

No rating or validation information has been found for AAV phSyn1(S)-tdTomato-WPRE.

No alerts have been found for AAV phSyn1(S)-tdTomato-WPRE.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Inácio AR, et al. (2025) Brain-wide presynaptic networks of functionally distinct cortical neurons. *Nature*, 641(8061), 162.

Goode TD, et al. (2024) A dorsal hippocampus-prodynorphinergic dorsolateral septum-to-lateral hypothalamus circuit mediates contextual gating of feeding. *bioRxiv : the preprint server for biology*.

Jenks KR, et al. (2024) The noncoding circular RNA circHomer1 regulates developmental experience-dependent plasticity in mouse visual cortex. *bioRxiv : the preprint server for biology*.

Le LTHL, et al. (2023) Self-Aggregating Tau Fragments Recapitulate Pathologic Phenotypes and Neurotoxicity of Alzheimer's Disease in Mice. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 10(29), e2302035.

Obara K, et al. (2023) Change detection in the primate auditory cortex through feedback of prediction error signals. *Nature communications*, 14(1), 6981.

Zhou J, et al. (2023) AJ76 and UH232 as potential agents for diagnosing early-stage Parkinson's disease. *Neuropharmacology*, 226, 109397.

Chen X, et al. (2022) Engineered AAVs for non-invasive gene delivery to rodent and non-human primate nervous systems. *Neuron*, 110(14), 2242.

Zhou J, et al. (2021) Dopamine Neuron Challenge Test for early detection of Parkinson's disease. *NPJ Parkinson's disease*, 7(1), 116.

Cheng Q, et al. (2021) Differential signalling induced by $\alpha 7$ nicotinic acetylcholine receptors in hippocampal dentate gyrus in vitro and in vivo. *The Journal of physiology*, 599(20), 4687.