

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pAAV-Ef1a-DO_DIO-TdTomato_EGFP-WPRE-pA](#)

RRID:Addgene_37120

Type: Plasmid

Proper Citation

RRID:Addgene_37120

Plasmid Information

URL: <http://www.addgene.org/37120>

Proper Citation: RRID:Addgene_37120

Insert Name: TdTomato-EGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22866029](#)

Vector Backbone Description: Backbone Marker:K. Deisseroth Lab; Backbone Size:5627; Vector Backbone:pAAV-Ef1a-DIO-hChR2(H134R)-mCherry-WPRE-pA; Vector Types:AAV, Cre/Lox, Cre-Switch; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-Ef1a-DO_DIO-TdTomato_EGFP-WPRE-pA

Record Creation Time: 20220422T222157+0000

Record Last Update: 20260815T081412+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Ef1a-DO_DIO-TdTomato_EGFP-WPRE-pA.

No alerts have been found for pAAV-Ef1a-DO_DIO-TdTomato_EGFP-WPRE-pA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Casarotto G, et al. (2026) Olfactory tubercle mediates adaptive social behavior by controlling threat assessment and the expression of social threat memories during recall in male mice. *Nature communications*, 17(1).

Bassett TE, et al. (2026) Response dynamics of discrete subiculum-retrosplenial cortex projections underlying trace fear conditioning. *iScience*, 29(4), 115317.

Carta I, et al. (2025) Sex-specific hypothalamic neural projection activity drives caregiving in mice. *Nature communications*, 16(1), 4116.

Wissing C, et al. (2025) A comparison of viral strategies and model systems to target norepinephrine neurons in the locus coeruleus reveals high variability in transgene expression patterns. *PLoS biology*, 23(7), e3003228.

Saxon D, et al. (2024) Neuronal Subtypes and Connectivity of the Adult Mouse Paralamina Amygdala. *eNeuro*, 11(6).

Liu Z, et al. (2024) The cortical amygdala consolidates a socially transmitted long-term memory. *Nature*, 632(8024), 366.

G Anversa R, et al. (2023) A paraventricular thalamus to insular cortex glutamatergic projection gates "emotional" stress-induced binge eating in females. *Neuropsychopharmacology* : official publication of the American College of Neuropsychopharmacology, 48(13), 1931.

Prakash N, et al. (2023) Connectivity and molecular profiles of Foxp2- and Dbx1-lineage neurons in the accessory olfactory bulb and medial amygdala. *The Journal of comparative neurology*.

Adam EM, et al. (2022) Dynamic control of visually guided locomotion through corticosubthalamic projections. *Cell reports*, 40(4), 111139.

Vizoso M, et al. (2022) A doxycycline- and light-inducible Cre recombinase mouse model for optogenetic genome editing. *Nature communications*, 13(1), 6442.

Sánchez-Bellot C, et al. (2022) Two opposing hippocampus to prefrontal cortex pathways for the control of approach and avoidance behaviour. *Nature communications*, 13(1), 339.

Vaasjo LO, et al. (2022) Characterization and manipulation of Corticothalamic neurons in associative cortices using Syt6-Cre transgenic mice. *The Journal of comparative neurology*, 530(7), 1020.

Fieblinger T, et al. (2022) Presynaptic cGMP sets synaptic strength in the striatum and is important for motor learning. *EMBO reports*, 23(8), e54361.

Kwon JT, et al. (2021) An amygdala circuit that suppresses social engagement. *Nature*, 593(7857), 114.

Cardenas A, et al. (2021) The role of medial prefrontal cortex projections to locus ceruleus in mediating the sex differences in behavior in mice with inflammatory pain. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(7), e21747.

Stern SA, et al. (2021) Top-down control of conditioned overconsumption is mediated by insular cortex Nos1 neurons. *Cell metabolism*, 33(7), 1418.

Norris AJ, et al. (2021) Parabrachial opioidergic projections to preoptic hypothalamus mediate behavioral and physiological thermal defenses. *eLife*, 10.

Kawatani M, et al. (2021) Downstream projection of Barrington's nucleus to the spinal cord in mice. *Journal of neurophysiology*, 126(6), 1959.