

Resource Summary Report

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

pLenti-CaMKIIa-eArchT 3.0-EYFP

RRID:Addgene_35513

Type: Plasmid

Proper Citation

RRID:Addgene_35513

Plasmid Information

URL: <http://www.addgene.org/35513>

Proper Citation: RRID:Addgene_35513

Insert Name: eArchT 3.0-EYFP

Organism: Halorubrum sp. TP009

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22179551](#)

Vector Backbone Description: Backbone Size:9245; Vector Backbone:pLenti; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: The enhanced trafficking signals allow for better membrane targeting in mammalian cells resulting in 3-5 fold increase in currents. Please note that there may be several sequence discrepancies between depositor's reference sequence and Addgene's quality control sequence. These changes are in vector regions only and should not affect plasmid function.

Plasmid Name: pLenti-CaMKIIa-eArchT 3.0-EYFP

Relevant Mutation: Enhanced trafficking signal and ER export signal added

Record Creation Time: 20220422T222151+0000

Record Last Update: 20260815T081401+0000

Ratings and Alerts

No rating or validation information has been found for pLenti-CaMKIIa-eArchT 3.0-EYFP.

No alerts have been found for pLenti-CaMKIIa-eArchT 3.0-EYFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Kaneko T, et al. (2024) Orexin neurons play contrasting roles in itch and pain neural processing via projecting to the periaqueductal gray. *Communications biology*, 7(1), 290.

Nakamura Y, et al. (2022) Prostaglandin EP3 receptor-expressing preoptic neurons bidirectionally control body temperature via tonic GABAergic signaling. *Science advances*, 8(51), eadd5463.

Kawai H, et al. (2022) Median raphe serotonergic neurons projecting to the interpeduncular nucleus control preference and aversion. *Nature communications*, 13(1), 7708.

Nishitani N, et al. (2019) Manipulation of dorsal raphe serotonergic neurons modulates active coping to inescapable stress and anxiety-related behaviors in mice and rats. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 44(4), 721.

Takahashi A, et al. (2014) Control of intermale aggression by medial prefrontal cortex activation in the mouse. *PloS one*, 9(4), e94657.