

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

Ai27

RRID:Addgene_34630

Type: Plasmid

Proper Citation

RRID:Addgene_34630

Plasmid Information

URL: <http://www.addgene.org/34630>

Proper Citation: RRID:Addgene_34630

Insert Name: Floxed hChR2(H134R)-tdTomato

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22446880](#)

Vector Backbone Description: Backbone Size:15658; Vector Backbone:Rosa26 Targeting Vector; Vector Types:Mouse Targeting; Bacterial Resistance:Ampicillin

Plasmid Name: Ai27

Relevant Mutation: His 134 has been mutated to Arg

Record Creation Time: 20220422T222147+0000

Record Last Update: 20260815T081354+0000

Ratings and Alerts

No rating or validation information has been found for Ai27.

No alerts have been found for Ai27.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Dodt S, et al. (2024) NPY-mediated synaptic plasticity in the extended amygdala prioritizes feeding during starvation. Nature communications, 15(1), 5439.

Tao H, et al. (2019) Oscillatory cortical forces promote three dimensional cell intercalations that shape the murine mandibular arch. Nature communications, 10(1), 1703.

Moreno-Juan V, et al. (2017) Prenatal thalamic waves regulate cortical area size prior to sensory processing. Nature communications, 8, 14172.