Resource Summary Report

Generated by RRID on Aug 21, 2026

Twitch-2B pcDNA3

RRID:Addgene_49531
Type: Plasmid

Proper Citation

RRID:Addgene_49531

Plasmid Information

URL: http://www.addgene.org/49531

Proper Citation: RRID:Addgene_49531

Insert Name: Twitch-2B

Organism: Opsanus tau

Bacterial Resistance: Ampicillin

Defining Citation: PMID:24390440

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: There is a discrepancy in the publication, Plasmid 48203: Twitch-2B pRSETB and Plasmid 49531: Twitch-2B pcDNA3 are misidentified.

Plasmid Name: Twitch-2B pcDNA3

Record Creation Time: 20220422T222255+0000

Record Last Update: 20260815T081600+0000

Ratings and Alerts

No rating or validation information has been found for Twitch-2B pcDNA3.

No alerts have been found for Twitch-2B pcDNA3.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Marymonchyk A, et al. (2025) Neural stem cell quiescence and activation dynamics are regulated by feedback input from their progeny under homeostatic and regenerative conditions. Cell stem cell, 32(3), 445.

Roelse M, et al. (2024) Tongue-on-a-Chip: Parallel Recording of Sweet and Bitter Receptor Responses to Sequential Injections of Pure and Mixed Sweeteners. Journal of agricultural and food chemistry, 72(28), 15854.

Inderwiedenstraße L, et al. (2024) Angiotensin receptors and ?1B-adrenergic receptors regulate native IK(ACh) and phosphorylation-deficient GIRK4 (S418A) channels through different PKC isoforms. Pflugers Archiv : European journal of physiology, 476(7), 1041.

McCracken S, et al. (2023) Diversity in homeostatic calcium set points predicts retinal ganglion cell survival following optic nerve injury in vivo. Cell reports, 42(10), 113165.

Matlashov ME, et al. (2022) Design and Initial Characterization of a Small Near-Infrared Fluorescent Calcium Indicator. Frontiers in cell and developmental biology, 10, 880107.

Gengatharan A, et al. (2021) Adult neural stem cell activation in mice is regulated by the day/night cycle and intracellular calcium dynamics. Cell, 184(3), 709.

Ros O, et al. (2020) SpiCee: A Genetic Tool for Subcellular and Cell-Specific Calcium Manipulation. Cell reports, 32(3), 107934.

Bohineust A, et al. (2020) Optogenetic manipulation of calcium signals in single T cells in vivo. Nature communications, 11(1), 1143.

Niemeyer A, et al. (2019) Receptor-specific regulation of atrial GIRK channel activity by different Ca2+-dependent PKC isoforms. Cellular signalling, 64, 109418.

Roelse M, et al. (2019) The Effect of Calcium Buffering and Calcium Sensor Type on the Sensitivity of an Array-Based Bitter Receptor Screening Assay. Chemical senses, 44(7), 497.

Wehrens R, et al. (2019) Statistical models discriminating between complex samples measured with microfluidic receptor-cell arrays. PloS one, 14(4), e0214878.

Mastop M, et al. (2017) Characterization of a spectrally diverse set of fluorescent proteins as FRET acceptors for mTurquoise2. Scientific reports, 7(1), 11999.

Kanai SM, et al. (2017) Proteolytic degradation of regulator of G protein signaling 2 facilitates temporal regulation of Gq/11 signaling and vascular contraction. The Journal of biological chemistry, 292(47), 19266.