

# Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

## pBrain-GFP-TACC3KDP-shTACC3

RRID:Addgene\_59356

Type: Plasmid

---

### Proper Citation

RRID:Addgene\_59356

---

### Plasmid Information

**URL:** <http://www.addgene.org/59356>

**Proper Citation:** RRID:Addgene\_59356

**Insert Name:** Transforming Acidic Coiled Coil protein 3

**Organism:** Homo sapiens

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:21297582](#)

**Vector Backbone Description:** Backbone Marker:Stephen J Royle; Backbone Size:5438; Vector Backbone:pBrain; Vector Types:Mammalian Expression, RNAi; Bacterial Resistance:Kanamycin

**Plasmid Name:** pBrain-GFP-TACC3KDP-shTACC3

**Relevant Mutation:** Silent mutations in amino acids 30-33 to confer siRNA resistance.

**Record Creation Time:** 20220422T222342+0000

**Record Last Update:** 20260815T081722+0000

---

### Ratings and Alerts

No rating or validation information has been found for pBrain-GFP-TACC3KDP-shTACC3.

No alerts have been found for pBrain-GFP-TACC3KDP-shTACC3.

---

### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Liu AZ, et al. (2025) The scaffold protein PRR14L links the PP2A-TACC3 axis to mitotic fidelity and sensitivity to MPS1 inhibition. bioRxiv : the preprint server for biology.

Meka DP, et al. (2022) Centrosome-dependent microtubule modifications set the conditions for axon formation. Cell reports, 39(3), 110686.

Furey C, et al. (2020) TACC3 Regulates Microtubule Plus-End Dynamics and Cargo Transport in Interphase Cells. Cell reports, 30(1), 269.

Milas A, et al. (2018) Optogenetic reversible knocksideways, laser ablation, and photoactivation on the mitotic spindle in human cells. Methods in cell biology, 145, 191.