

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

[pEGFP-mSmo](#)

RRID:Addgene_25395

Type: Plasmid

Proper Citation

RRID:Addgene_25395

Plasmid Information

URL: <http://www.addgene.org/25395>

Proper Citation: RRID:Addgene_25395

Insert Name: mouse Smoothened cDNA

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:12414725](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP-mSmo

Record Creation Time: 20220422T222113+0000

Record Last Update: 20260801T081045+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-mSmo.

No alerts have been found for pEGFP-mSmo.

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 [NIF](#) .

Quidwai T, et al. (2021) A WDR35-dependent coat protein complex transports ciliary membrane cargo vesicles to cilia. *eLife*, 10.

Bosakova M, et al. (2020) Mutations in GRK2 cause Jeune syndrome by impairing Hedgehog and canonical Wnt signaling. *EMBO molecular medicine*, 12(11), e11739.

Toro-Tapia G, et al. (2020) Primary cilium remodeling mediates a cell signaling switch in differentiating neurons. *Science advances*, 6(21), eabb0601.

Lara Ordóñez AJ, et al. (2019) RAB8, RAB10 and RILPL1 contribute to both LRRK2 kinase-mediated centrosomal cohesion and ciliogenesis deficits. *Human molecular genetics*, 28(21), 3552.

Chang CH, et al. (2019) Atoh1 Controls Primary Cilia Formation to Allow for SHH-Triggered Granule Neuron Progenitor Proliferation. *Developmental cell*, 48(2), 184.

Wright SC, et al. (2019) A conserved molecular switch in Class F receptors regulates receptor activation and pathway selection. *Nature communications*, 10(1), 667.

Zhang P, et al. (2019) Microscopy-Based Automated Live Cell Screening for Small Molecules That Affect Ciliation. *Frontiers in genetics*, 10, 75.

Fernández-Barrera J, et al. (2018) The actin-MRTF-SRF transcriptional circuit controls tubulin acetylation via β -TAT1 gene expression. *The Journal of cell biology*, 217(3), 929.

Mazo G, et al. (2016) Spatial Control of Primary Ciliogenesis by Subdistal Appendages Alters Sensation-Associated Properties of Cilia. *Developmental cell*, 39(4), 424.

Kharebava G, et al. (2015) N-docosahexaenoyl ethanolamine regulates Hedgehog signaling and promotes growth of cortical axons. *Biology open*, 4(12), 1660.

Onnis A, et al. (2015) The small GTPase Rab29 is a common regulator of immune synapse assembly and ciliogenesis. *Cell death and differentiation*, 22(10), 1687.

Reales E, et al. (2015) The MAL protein is crucial for proper membrane condensation at the ciliary base, which is required for primary cilium elongation. *Journal of cell science*, 128(12), 2261.

Finetti F, et al. (2015) The small GTPase Rab8 interacts with VAMP-3 to regulate the delivery of recycling T-cell receptors to the immune synapse. *Journal of cell science*, 128(14), 2541.