

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

TUBB5-Halo

RRID:Addgene_64691

Type: Plasmid

Proper Citation

RRID:Addgene_64691

Plasmid Information

URL: <http://www.addgene.org/64691>

Proper Citation: RRID:Addgene_64691

Insert Name: TUBB

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:25054937](#)

Vector Backbone Description: Backbone Marker:We constructed pHalo-N1 by replacing EGFP of pEGFP-N1 with Halo-tag.; Backbone Size:4900; Vector Backbone:pHalo-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: TUBB5-Halo

Record Creation Time: 20220422T222409+0000

Record Last Update: 20260725T075002+0000

Ratings and Alerts

No rating or validation information has been found for TUBB5-Halo.

No alerts have been found for TUBB5-Halo.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Fye M, et al. (2025) Directed insulin secretion from beta cells occurs at cortical sites devoid of microtubules at the edges of ELKS/LL5? patches. *Molecular biology of the cell*, 36(6), ar68.

Ju RJ, et al. (2024) Compression-dependent microtubule reinforcement enables cells to navigate confined environments. *Nature cell biology*, 26(9), 1520.

Bonet-Ponce L, et al. (2024) Opposing actions of JIP4 and RILPL1 provide antagonistic motor force to dynamically regulate membrane reformation during lysosomal tubulation/sorting driven by LRRK2. *bioRxiv : the preprint server for biology*.

Fye M, et al. (2024) Directed insulin secretion occurs at precise cortical regions with optimal ELKS content that are devoid of microtubules. *bioRxiv : the preprint server for biology*.

Zheng Y, et al. (2023) Recruiting Rate Determines the Blinking Propensity of Rhodamine Fluorophores for Super-Resolution Imaging. *Journal of the American Chemical Society*, 145(9), 5125.

Richter M, et al. (2023) Kinetochore-fiber lengths are maintained locally but coordinated globally by poles in the mammalian spindle. *eLife*, 12.

Zheng Y, et al. (2023) Subtle Structural Translation Magically Modulates the Super-Resolution Imaging of Self-Blinking Rhodamines. *Analytical chemistry*, 95(8), 4172.

Nunes Vicente F, et al. (2022) Molecular organization and mechanics of single vimentin filaments revealed by super-resolution imaging. *Science advances*, 8(8), eabm2696.

Schelski M, et al. (2022) Microtubule retrograde flow retains neuronal polarization in a fluctuating state. *Science advances*, 8(44), eabo2336.

Roßmann K, et al. (2022) N-Methyl deuterated rhodamines for protein labelling in sensitive fluorescence microscopy. *Chemical science*, 13(29), 8605.

Adriaans IE, et al. (2020) MKLP2 Is a Motile Kinesin that Transports the Chromosomal Passenger Complex during Anaphase. *Current biology : CB*, 30(13), 2628.