Resource Summary Report

Generated by NIF on Jul 30, 2026

tau/pET29b

RRID:Addgene_16316
Type: Plasmid

Proper Citation

RRID:Addgene_16316

Plasmid Information

URL: http://www.addgene.org/16316

Proper Citation: RRID:Addgene_16316

Insert Name: tau

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: PMID:9169052

Vector Backbone Description: Backbone Marker:EMD Biosciences; Backbone Size:5370; Vector Backbone:pET29b; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: For bacterial expression of human tau T40.

Plasmid Name: tau/pET29b

Record Creation Time: 20220422T221922+0000

Record Last Update: 20260725T074142+0000

Ratings and Alerts

No rating or validation information has been found for tau/pET29b.

No alerts have been found for tau/pET29b.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Brockhoff M, et al. (2025) PseudoSorter: A self-supervised spike sorting approach applied to reveal Tau-induced reductions in neuronal activity. Science advances, 11(11), eadr4155.

Fan X, et al. (2025) A pathological phosphorylation pattern enhances tau cooperativity on microtubules and facilitates tau filament assembly. Research square.

Dilissen S, et al. (2024) Characterisation of biocondensate microfluidic flow using array-detector FCS. Biochimica et biophysica acta. General subjects, 1868(9), 130673.

Betters RK, et al. (2023) Characterization of the Tau Interactome in Human Brain Reveals Isoform-Dependent Interaction with 14-3-3 Family Proteins. eNeuro, 10(3).

Poudyal M, et al. (2023) Intermolecular interactions underlie protein/peptide phase separation irrespective of sequence and structure at crowded milieu. Nature communications, 14(1), 6199.

Gracia P, et al. (2022) Molecular mechanism for the synchronized electrostatic coacervation and co-aggregation of alpha-synuclein and tau. Nature communications, 13(1), 4586.

Yuste-Checa P, et al. (2021) The extracellular chaperone Clusterin enhances Tau aggregate seeding in a cellular model. Nature communications, 12(1), 4863.

Medina L, et al. (2021) Doxycycline Interferes With Tau Aggregation and Reduces Its Neuronal Toxicity. Frontiers in aging neuroscience, 13, 635760.

Mroczek K, et al. (2021) Interactions and Cytotoxicity of Human Neurodegeneration-Associated Proteins Tau and ?-Synuclein in the Simple Model Dictyostelium discoideum. Frontiers in cell and developmental biology, 9, 741662.

Monroy BY, et al. (2020) A Combinatorial MAP Code Dictates Polarized Microtubule Transport. Developmental cell, 53(1), 60.

Tan R, et al. (2019) Microtubules gate tau condensation to spatially regulate microtubule functions. Nature cell biology, 21(9), 1078.

Biswas S, et al. (2018) The Microtubule-Associated Protein Tau Mediates the Organization of Microtubules and Their Dynamic Exploration of Actin-Rich Lamellipodia and Filopodia of Cortical Growth Cones. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(2), 291.

Ferreon JC, et al. (2018) Acetylation Disfavors Tau Phase Separation. International journal of molecular sciences, 19(5).

Monroy BY, et al. (2018) Competition between microtubule-associated proteins directs motor transport. Nature communications, 9(1), 1487.

Petry FR, et al. (2017) A Simple Method to Avoid Nonspecific Signal When Using Monoclonal Anti-Tau Antibodies in Western Blotting of Mouse Brain Proteins. Methods in molecular biology (Clifton, N.J.), 1523, 263.

Nicholls SB, et al. (2017) Characterization of TauC3 antibody and demonstration of its potential to block tau propagation. PloS one, 12(5), e0177914.

El Khoury NB, et al. (2016) Hypothermia mediates age-dependent increase of tau phosphorylation in db/db mice. Neurobiology of disease, 88, 55.

Méphon-Gaspard A, et al. (2016) Role of tau in the spatial organization of axonal microtubules: keeping parallel microtubules evenly distributed despite macromolecular crowding. Cellular and molecular life sciences : CMLS, 73(19), 3745.

Spilsbury A, et al. (2015) The role of telomerase protein TERT in Alzheimer's disease and in tau-related pathology in vitro. The Journal of neuroscience : the official journal of the Society for Neuroscience, 35(4), 1659.

Spears W, et al. (2014) Hirano bodies differentially modulate cell death induced by tau and the amyloid precursor protein intracellular domain. BMC neuroscience, 15, 74.