Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

pRK5-EGFP-Tau E14 P301L

RRID:Addgene_46909
Type: Plasmid

Proper Citation

RRID:Addgene_46909

Plasmid Information

URL: http://www.addgene.org/46909

Proper Citation: RRID:Addgene_46909

Insert Name: Tau E14 P301L

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:21172610

Vector Backbone Description: Backbone Marker:Clontech; Vector Backbone:pRK5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: WT htau construct (Addgene plasmid 46904) was used as a template to make mutations and contains human four-repeat tau lacking the N-terminal sequences (4R0N) and contains exons 1, 4 and 5, 7, and 9–13, intron 13, and exon 14.

Plasmid Name: pRK5-EGFP-Tau E14 P301L

Relevant Mutation: P301L AND all 14 S/P or T/P amino acid residues (T111, T153, T175, T181, S199, S202, T205, T212, T217, T231, S235, S396, S404, and S422; numbering based on the longest 441-amino acid brain isoform of htau) changed to glutamate

Record Creation Time: 20220422T222241+0000

Record Last Update: 20260808T081727+0000

Ratings and Alerts

No rating or validation information has been found for pRK5-EGFP-Tau E14 P301L.

No alerts have been found for pRK5-EGFP-Tau E14 P301L.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Moretto E, et al. (2026) Aberrant tau accumulation caused by MAPT mutations induces early pathological changes in axonal transport that are rescued by p38? inhibition. Nature neuroscience, 29(6), 1355.

Devara D, et al. (2025) MiRNA-501-3p and MiRNA-502-3p: A promising biomarker panel for Alzheimer's disease. Clinical and translational medicine, 15(7), e70389.