Resource Summary Report

Generated by RRID on Aug 18, 2026

pRK5-EGFP-Tau AP P301L

RRID:Addgene_46906
Type: Plasmid

Proper Citation

RRID:Addgene_46906

Plasmid Information

URL: http://www.addgene.org/46906

Proper Citation: RRID:Addgene_46906

Insert Name: Tau AP 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.

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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 alanine

Record Creation Time: 20220422T222241+0000

Record Last Update: 20260815T081536+0000

Ratings and Alerts

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

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

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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.