Resource Summary Report

Generated by RRID on Sep 8, 2026

Tau RD P301S FRET Biosensor

RRID:CVCL_DA04
Type: Cell Line

Proper Citation

ATCC Cat# CRL-3275, RRID:CVCL_DA04

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_DA04

Proper Citation: ATCC Cat# CRL-3275, RRID:CVCL_DA04

Description: Cell line Tau RD P301S FRET Biosensor is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: PMID:25261551, PMID:37553663

Comments: Characteristics: Tau seeds introduced into the culture media of this cell line can nucleate the aggregation of the reporter proteins. This aggregation produces a FRET signal which can be measured via microscopy, microplate readers or flow cytometry (ATCC=CRL-3275)., Characteristics: Transduced with 2 separate lentivirus constructs encoding the tau repeat domain (RD) with the disease-associated p.Pro301Ser (p.Pro636Ser) mutation fused to either CFP or YFP (ATCC=CRL-3275).

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: Tau RD P301S FRET Biosensor

Cross References: ATCC:CRL-3275, Wikidata:Q54971737

ID: CVCL_DA04

Vendor: ATCC

Catalog Number: CRL-3275

Hierarchy: cvcl_0063

Record Creation Time: 20250130T072846+0000

Record Last Update: 20260905T184144+0000

Ratings and Alerts

No rating or validation information has been found for Tau RD P301S FRET Biosensor.

No alerts have been found for Tau RD P301S FRET Biosensor.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Decker CJ, et al. (2026) Nuclear tau aggregates inhibit RNA export and form by secondary seeding from cytosolic tau aggregates. bioRxiv : the preprint server for biology.

Tyagi M, et al. (2026) Arc mediates intercellular tau transmission via extracellular vesicles. Cell, 189(15), 4706.

Tomasini C, et al. (2026) Decoding the biogenesis of HIV-induced CPSF6 puncta and their fusion with nuclear speckles. eLife, 13.

Hashimoto S, et al. (2026) Tau acetylation at K331 has limited impact on tau pathology in vivo. FEBS letters, 600(14), 2050.

Weber AJ, et al. (2026) Tau seeds induce neurofibrillary tangle formation across brain regions via individual-specific connectivity. Neuron, 114(14), 2521.

Lin G, et al. (2025) Cell-death pathways and tau-associated neuronal vulnerability in Alzheimer's disease. Cell reports, 44(6), 115758.

Morito T, et al. (2025) Human MAPT knockin mouse models of frontotemporal dementia for the neurodegenerative research community. Cell reports methods, 5(4), 101024.

Van Alstyne M, et al. (2025) Polyserine-mediated targeting of FAF2/UBXD8 ameliorates tau aggregation. Neuron.

Sharma P, et al. (2025) Impaired MAPT/tau-secretory lysosomes are linked to cognitive vulnerability in Alzheimer patients. Autophagy, 1.

Martinez P, et al. (2024) Protocol for the isolation and proteomic analysis of??pathological tau-seeds. STAR protocols, 5(3), 103185.

Ryder BD, et al. (2024) DNAJB8 oligomerization is mediated by an aromatic-rich motif that is dispensable for substrate activity. Structure (London, England : 1993).

Kim J, et al. (2023) Evolutionarily conserved regulators of tau identify targets for new therapies. Neuron, 111(6), 824.

Lester E, et al. (2021) Tau aggregates are RNA-protein assemblies that mislocalize multiple nuclear speckle components. Neuron, 109(10), 1675.

Carlomagno Y, et al. (2021) The AD tau core spontaneously self-assembles and recruits full-length tau to filaments. Cell reports, 34(11), 108843.

Jiang L, et al. (2021) Interaction of tau with HNRNPA2B1 and N6-methyladenosine RNA mediates the progression of tauopathy. Molecular cell, 81(20), 4209.

Sharma AM, et al. (2018) Tau monomer encodes strains. eLife, 7.