Resource Summary Report

Generated by dkNET on Jul 30, 2026

wtTDP43tdTOMATOHA

RRID:Addgene_28205
Type: Plasmid

Proper Citation

RRID:Addgene_28205

Plasmid Information

URL: http://www.addgene.org/28205

Proper Citation: RRID:Addgene_28205

Insert Name: Tar DNA binding protein

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:21209826

Vector Backbone Description: Backbone Size:5310; Vector Backbone:pCAG-EGFP/RFP-int; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: wtTDP43tdTOMATOHA

Record Creation Time: 20220422T222127+0000

Record Last Update: 20260725T074526+0000

Ratings and Alerts

No rating or validation information has been found for wtTDP43tdTOMATOHA.

No alerts have been found for wtTDP43tdTOMATOHA.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Oldani EG, et al. (2025) The effect of G-quadruplexes on TDP43 condensation, distribution, and toxicity. Structure (London, England : 1993), 33(8), 1294.

Suk TR, et al. (2025) A stress-dependent TDP-43 SUMOylation program preserves neuronal function. Molecular neurodegeneration, 20(1), 38.

Woo TG, et al. (2025) Inhibition of SOD1 trimerization is a novel drug target for ALS disease. Translational neurodegeneration, 14(1), 21.

Teixeira M, et al. (2025) Combining light-induced aggregation and biotin proximity labeling implicates endolysosomal proteins in early ?-synuclein oligomerization. iScience, 28(7), 112823.

Huang Y, et al. (2024) Detecting protein-protein interaction during liquid-liquid phase separation using fluorogenic protein sensors. Molecular biology of the cell, 35(3), ar41.

Jung KH, et al. (2023) Nuclear bodies protect phase separated proteins from degradation in stressed proteome. bioRxiv : the preprint server for biology.

Liang Y, et al. (2023) Intracellular RNA and DNA tracking by uridine-rich internal loop tagging with fluorogenic bPNA. Nature communications, 14(1), 2987.

Cascella R, et al. (2022) A quantitative biology approach correlates neuronal toxicity with the largest inclusions of TDP-43. Science advances, 8(30), eabm6376.

Baek M, et al. (2021) TDP-43 and PINK1 mediate CHCHD10S59L mutation-induced defects in Drosophila and in vitro. Nature communications, 12(1), 1924.

Carter GC, et al. (2021) N-terminal Domain of TDP43 Enhances Liquid-Liquid Phase Separation of Globular Proteins. Journal of molecular biology, 433(10), 166948.

Woo TG, et al. (2021) Novel chemical inhibitor against SOD1 misfolding and aggregation protects neuron-loss and ameliorates disease symptoms in ALS mouse model. Communications biology, 4(1), 1397.

Ito S, et al. (2018) Fluorescence detection of DNA mismatch repair in human cells. Scientific reports, 8(1), 12181.

Pinarbasi ES, et al. (2018) Active nuclear import and passive nuclear export are the primary determinants of TDP-43 localization. Scientific reports, 8(1), 7083.

Gregory JM, et al. (2017) Clusterin protects neurons against intracellular proteotoxicity. Acta neuropathologica communications, 5(1), 81.

Woo JA, et al. (2017) Loss of function CHCHD10 mutations in cytoplasmic TDP-43 accumulation and synaptic integrity. Nature communications, 8, 15558.

Liu Y, et al. (2017) The Cation-? Interaction Enables a Halo-Tag Fluorogenic Probe for Fast No-Wash Live Cell Imaging and Gel-Free Protein Quantification. Biochemistry, 56(11), 1585.

Farrawell NE, et al. (2015) Distinct partitioning of ALS associated TDP-43, FUS and SOD1 mutants into cellular inclusions. Scientific reports, 5, 13416.