Resource Summary Report

Generated by RRID on Aug 26, 2026

pcDNA4TO-24xGCN4_v4-kif18b-24xPP7

RRID:Addgene_74928
Type: Plasmid

Proper Citation

RRID:Addgene_74928

Plasmid Information

URL: http://www.addgene.org/74928

Proper Citation: RRID:Addgene_74928

Insert Name: 24xGCN4_v4-kif18b-24xPP7

Bacterial Resistance: Ampicillin

Defining Citation: PMID:27153498

Vector Backbone Description: Vector Backbone:pcDNA4TO; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA4TO-24xGCN4_v4-kif18b-24xPP7

Record Creation Time: 20220422T222456+0000

Record Last Update: 20260815T081941+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA4TO-24xGCN4_v4-kif18b-24xPP7.

No alerts have been found for pcDNA4TO-24xGCN4_v4-kif18b-24xPP7.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

van der Salm E, et al. (2025) Measuring and manipulating localized translation of erm-1 in the C. elegans embryo. Development (Cambridge, England), 152(10).

van der Salm E, et al. (2025) SunTag-Based Single-Molecule Translation Imaging in Caenorhabditis elegans. Bio-protocol, 15(20), e5486.

Ryan VH, et al. (2025) Maintenance of neuronal TDP-43 expression requires axonal lysosome transport. eLife, 14.

Broix L, et al. (2025) m6A RNA methylation-mediated control of global APC expression is required for local translation of ??-actin and axon development. Cell reports, 44(6), 115727.

Hu Y, et al. (2023) Enhanced single RNA imaging reveals dynamic gene expression in live animals. eLife, 12.

Gasparski AN, et al. (2023) mRNA Location and Translation Rate Determine Protein Targeting to Dual Destinations. bioRxiv : the preprint server for biology.

Remsburg CM, et al. (2023) miR-31-mediated local translation at the mitotic spindle is important for early development. Research square.

Horste EL, et al. (2023) Subcytoplasmic location of translation controls protein output. Molecular cell, 83(24), 4509.

Lin JQ, et al. (2022) Live Imaging of RNA Transport and Translation in Xenopus Retinal Axons. Methods in molecular biology (Clifton, N.J.), 2431, 49.

Khuperkar D, et al. (2020) Quantification of mRNA translation in live cells using single-molecule imaging. Nature protocols, 15(4), 1371.

Cioni JM, et al. (2019) Late Endosomes Act as mRNA Translation Platforms and Sustain Mitochondria in Axons. Cell, 176(1-2), 56.

Zhao N, et al. (2019) A genetically encoded probe for imaging nascent and mature HA-tagged proteins in vivo. Nature communications, 10(1), 2947.

Moissoglu K, et al. (2019) Translational regulation of protrusion-localized RNAs involves silencing and clustering after transport. eLife, 8.

Ruijtenberg S, et al. (2018) Imaging Translation Dynamics of Single mRNA Molecules in Live Cells. Methods in molecular biology (Clifton, N.J.), 1649, 385.