

Resource Summary Report

Generated by [NIF](#) on Sep 2, 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: 20260902T050132+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 [NIF](#) .

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.

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

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

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.