

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

pST1374-N-NLS-flag-linker-Cas9-D10A

RRID:Addgene_51130

Type: Plasmid

Proper Citation

RRID:Addgene_51130

Plasmid Information

URL: <http://www.addgene.org/51130>

Proper Citation: RRID:Addgene_51130

Insert Name: Cas9 nickase

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24584192](#)

Vector Backbone Description: Vector Backbone:Addgene 44758; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pST1374-N-NLS-flag-linker-Cas9-D10A

Relevant Mutation: D10A (nickase mutant)

Record Creation Time: 20220422T222301+0000

Record Last Update: 20260902T045627+0000

Ratings and Alerts

No rating or validation information has been found for pST1374-N-NLS-flag-linker-Cas9-D10A.

No alerts have been found for pST1374-N-NLS-flag-linker-Cas9-D10A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Lu T, et al. (2026) PUMILIO proteins maintain lineage balance via post-transcriptional repression of germline fate and promotion of somatic differentiation. *Cell reports*, 45(7), 117682.

Marks D, et al. (2025) Assessing PARP trapping dynamics in ovarian cancer using a CRISPR-engineered FRET biosensor. *Cell reports methods*, 101270.

Huang P, et al. (2023) YTHDF1 Attenuates TBI-Induced Brain-Gut Axis Dysfunction in Mice. *International journal of molecular sciences*, 24(4).

Ayabe S, et al. (2019) Off- and on-target effects of genome editing in mouse embryos. *The Journal of reproduction and development*, 65(1), 1.

Jiang W, et al. (2018) BE-PLUS: a new base editing tool with broadened editing window and enhanced fidelity. *Cell research*, 28(8), 855.

Shi H, et al. (2018) m6A facilitates hippocampus-dependent learning and memory through YTHDF1. *Nature*, 563(7730), 249.

Gopalappa R, et al. (2018) Paired D10A Cas9 nickases are sometimes more efficient than individual nucleases for gene disruption. *Nucleic acids research*, 46(12), e71.

Lei L, et al. (2018) APOBEC3 induces mutations during repair of CRISPR-Cas9-generated DNA breaks. *Nature structural & molecular biology*, 25(1), 45.

Zhang D, et al. (2018) The transcription factor SOX30 is a key regulator of mouse spermiogenesis. *Development (Cambridge, England)*, 145(11).

Lim JS, et al. (2017) Somatic Mutations in TSC1 and TSC2 Cause Focal Cortical Dysplasia. *American journal of human genetics*, 100(3), 454.