

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

[pTALYM3B15](#)

RRID:Addgene_47878

Type: Plasmid

Proper Citation

RRID:Addgene_47878

Plasmid Information

URL: <http://www.addgene.org/47878>

Proper Citation: RRID:Addgene_47878

Insert Name: TALE-mClover

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24096363](#)

Vector Backbone Description: Vector Backbone:pTALYM3; Vector Types:Mammalian Expression, TALEN; Bacterial Resistance:Ampicillin

Plasmid Name: pTALYM3B15

Record Creation Time: 20220422T222246+0000

Record Last Update: 20260815T081545+0000

Ratings and Alerts

No rating or validation information has been found for pTALYM3B15.

No alerts have been found for pTALYM3B15.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Choi DY, et al. (2025) ZSCAN4 functions as a safeguard to maintain centromere integrity during oocyte meiosis. *Genome biology*, 26(1), 204.

Arfè S, et al. (2025) H3.3 deposition counteracts the replication-dependent enrichment of H3.1 at chromocenters in embryonic stem cells. *Nature communications*, 16(1), 5138.

Dudka D, et al. (2025) Adaptive evolution of CENP-T modulates centromere binding. *Current biology : CB*, 35(5), 1012.

Bensaha S, et al. (2025) HP1 loses its chromatin clustering and phase separation function across evolution. *Nature communications*, 16(1), 6375.

Ye Y, et al. (2024) A surge in cytoplasmic viscosity triggers nuclear remodeling required for Dux silencing and pre-implantation embryo development. *Cell reports*, 43(3), 113917.

Guthmann M, et al. (2023) A change in biophysical properties accompanies heterochromatin formation in mouse embryos. *Genes & development*, 37(7-8), 336.

Baumann C, et al. (2023) Acute irradiation induces a senescence-like chromatin structure in mammalian oocytes. *Communications biology*, 6(1), 1258.

Mihajlović AI, et al. (2023) Spindle assembly checkpoint insensitivity allows meiosis-II despite chromosomal defects in aged eggs. *EMBO reports*, 24(11), e57227.

Scheffler K, et al. (2021) Two mechanisms drive pronuclear migration in mouse zygotes. *Nature communications*, 12(1), 841.

Mihajlović AI, et al. (2021) Distinct classes of lagging chromosome underpin age-related oocyte aneuploidy in mouse. *Developmental cell*, 56(16), 2273.

Macaulay AD, et al. (2020) Chromosome dynamics and spindle microtubule establishment in mouse embryos. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 34(6), 8057.

Paim LMG, et al. (2019) Tetraploidy causes chromosomal instability in acentriolar mouse embryos. *Nature communications*, 10(1), 4834.

Vázquez-Diez C, et al. (2019) Cell-Size-Independent Spindle Checkpoint Failure Underlies Chromosome Segregation Error in Mouse Embryos. *Current biology : CB*, 29(5), 865.

Wu T, et al. (2018) Spindle tubulin and MTOC asymmetries may explain meiotic drive in oocytes. *Nature communications*, 9(1), 2952.

Yamazaki T, et al. (2017) Targeted DNA methylation in pericentromeres with genome editing-based artificial DNA methyltransferase. *PLoS one*, 12(5), e0177764.

Lane SIR, et al. (2017) DNA damage induces a kinetochore-based ATM/ATR-independent SAC arrest unique to the first meiotic division in mouse oocytes. *Development*

(Cambridge, England), 144(19), 3475.

Maison C, et al. (2016) The methyltransferase Suv39h1 links the SUMO pathway to HP1? marking at pericentric heterochromatin. *Nature communications*, 7, 12224.

Arakawa T, et al. (2015) Stella controls chromocenter formation through regulation of Daxx expression in 2-cell embryos. *Biochemical and biophysical research communications*, 466(1), 60.

Ricci MA, et al. (2015) Chromatin fibers are formed by heterogeneous groups of nucleosomes in vivo. *Cell*, 160(6), 1145.