

Resource Summary Report

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

MLM3613

RRID:Addgene_42251

Type: Plasmid

Proper Citation

RRID:Addgene_42251

Plasmid Information

URL: <http://www.addgene.org/42251>

Proper Citation: RRID:Addgene_42251

Insert Name: Streptococcus pyogenes Cas9

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23360964](#)

Vector Backbone Description: Vector Backbone:unknown; Vector Types:CRISPR, zebrafish expression; Bacterial Resistance:Ampicillin

Comments: Plasmid Features: CAG enhancer-CMV promoter = 7466-370 Cas9 = 409-4512 NLS = 4519-4539 BGH polyA = 4612-4839

Plasmid Name: MLM3613

Record Creation Time: 20220422T222218+0000

Record Last Update: 20260815T081452+0000

Ratings and Alerts

No rating or validation information has been found for MLM3613.

No alerts have been found for MLM3613.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 114 mentions in open access literature.

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

Zuo D, et al. (2025) *Drosophila* CG11700 may not affect male fecundity-lifespan tradeoff as previously reported. *Molecular biology and evolution*, 42(2).

Wang Q, et al. (2025) In vivo proteomic labeling reveals diverse proteomes for therapeutic targets. *Molecular cell*, 85(24), 4651.

Zhang J, et al. (2025) Nutrient status alters developmental fates via a switch in mitochondrial homeodynamics. *Nature communications*, 16(1), 1258.

Matsuoka Y, et al. (2025) Establishment of CRISPR/Cas9-based knock-in in a hemimetabolous insect: targeted gene tagging in the cricket *Gryllus bimaculatus*. *Development (Cambridge, England)*, 152(1).

Liu C, et al. (2024) A CTCF-binding site in the *Mdm1-Il22-Ifng* locus shapes cytokine expression profiles and plays a critical role in early Th1 cell fate specification. *Immunity*, 57(5), 1005.

Lin JX, et al. (2024) Tyrosine phosphorylation of both STAT5A and STAT5B is necessary for maximal IL-2 signaling and T cell proliferation. *Nature communications*, 15(1), 7372.

Wang H, et al. (2024) Deficiency of heme oxygenase 1a causes detrimental effects on cardiac function. *Journal of cellular and molecular medicine*, 28(7), e18243.

Gao B, et al. (2024) The evolutionary novelty of insect defensins: from bacterial killing to toxin neutralization. *Cellular and molecular life sciences : CMLS*, 81(1), 230.

Dereli I, et al. (2024) Seeding the meiotic DNA break machinery and initiating recombination on chromosome axes. *Nature communications*, 15(1), 2941.

Delaney M, et al. (2024) Actin Cytoskeleton and Integrin Components Are Interdependent for Slit Diaphragm Maintenance in *Drosophila* Nephrocytes. *Cells*, 13(16).

Jiang M, et al. (2023) Generation of a homozygous RANGRF knockout hiPSC line by CRISPR/Cas9 system. *Stem cell research*, 71, 103136.

Wu D, et al. (2023) DIS3L2 ribonuclease degrades terminal-uridylylated RNA to ensure oocyte maturation and female fertility. *Nucleic acids research*, 51(7), 3078.

Zhang Y, et al. (2023) G3'MTMD3 in the insect GABA receptor subunit, RDL, confers resistance to broflaniide and fluralaner. *PLoS genetics*, 19(6), e1010814.

Luo X, et al. (2023) Generation of a homozygous GRIN2A gene knockout human embryonic stem cell line using CRISPR/Cas9 system. *Stem cell research*, 69, 103121.

Iwamura C, et al. (2023) Microbial ligand-independent regulation of lymphopoiesis by NOD1. *Nature immunology*, 24(12), 2080.

Mori M, et al. (2023) Cyba and Nox2 mutant rats show different incidences of eosinophilia in the genetic background- and sex-dependent manner. *Experimental animals*, 72(2), 233.

Sun X, et al. (2023) The endoribonuclease Arlr is required to maintain lipid homeostasis by downregulating lipolytic genes during aging. *Nature communications*, 14(1), 6254.

Dereli I, et al. (2023) Seeding the meiotic DNA break machinery and initiating recombination on chromosome axes. *bioRxiv : the preprint server for biology*.

Y??Imaz VM, et al. (2023) Tropical super flies: Integrating Cas9 into *Drosophila ananassae* and its phenotypic effects. *Journal of insect physiology*, 147, 104516.

Wu D, et al. (2023) Reduced female fertility due to sequestration of RNA Pol II by pervasive transcription in exosome RNase-depleted oocytes. *Cell reports*, 42(10), 113247.