

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

Mios^{tm1a(EUCOMM)}Wtsi

RRID:IMSR_EUMMCR:493

Type: Organism

Proper Citation

RRID:IMSR_EUMMCR:493

Organism Information

URL:

Proper Citation: RRID:IMSR_EUMMCR:493

Description: Mus musculus with name Mios^{tm1a(EUCOMM)}Wtsi from IMSR.

Species: Mus musculus

Notes: gene symbol note: meiosis regulator for oocyte development; mutant strain: Mios

Affected Gene: meiosis regulator for oocyte development

Genomic Alteration: targeted mutation 1a; Wellcome Trust Sanger Institute

Catalog Number: EUMMCR:493

Database: European Mouse Mutant Cell Repository

Database Abbreviation: EuMMCR

Availability: ES Cell

Organism Name: Mios^{tm1a(EUCOMM)}Wtsi

Record Creation Time: 20250513T061806+0000

Record Last Update: 20260912T064648+0000

Ratings and Alerts

No rating or validation information has been found for Mios^{tm1a(EUCOMM)}Wtsi.

No alerts have been found for Mios^{tm1a(EUCOMM)}Wtsi.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Cell Repository

Usage and Citation Metrics

We found 43 mentions in open access literature.

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

St Pierre CL, et al. (2026) Substrain-specific behavioral variation in female C57BL/6 and C57BL/10 mice. *Frontiers in behavioral neuroscience*, 20, 1805176.

Shaykevich SF, et al. (2025) Multimodal fluorescence-optoacoustic in vivo imaging of the near-infrared calcium ion indicator NIR-GECO2G. *Photoacoustics*, 41, 100671.

Legros V, et al. (2025) Use of Recombinant Chikungunya Virus expressing Nanoluciferase to Identify Chondrocytes as Target Cells in an Immunocompetent Mouse Model. *The Journal of infectious diseases*, 232(2), e223.

Yogo T, et al. (2025) Protocol for noninvasive imaging of hematopoietic reconstitution in live mice using Akaluc bioluminescence. *STAR protocols*, 6(3), 104072.

Stern MA, et al. (2024) Organellular imaging in vivo reveals a depletion of endoplasmic reticular calcium during post-ictal cortical spreading depolarization. *bioRxiv : the preprint server for biology*.

López-Porras AI, et al. (2024) Myosin XVA isoforms participate in the mechanotransduction-dependent remodeling of the actin cytoskeleton in auditory stereocilia. *Frontiers in neurology*, 15, 1482892.

de Rivero Vaccari JP, et al. (2023) Mechanism of action of IC 100, a humanized IgG4 monoclonal antibody targeting apoptosis-associated speck-like protein containing a caspase recruitment domain (ASC). *Translational research : the journal of laboratory and clinical medicine*, 251, 27.

Hernandez Pichardo A, et al. (2023) Multispectral optoacoustic tomography is more sensitive than micro-computed tomography for tracking gold nanorod labelled mesenchymal stromal cells. *Journal of biophotonics*, 16(10), e202300109.

Boothe T, et al. (2023) Content aware image restoration improves spatiotemporal resolution in luminescence imaging. *Communications biology*, 6(1), 518.

Hernandez Pichardo A, et al. (2023) Intravenous Administration of Human Umbilical Cord Mesenchymal Stromal Cells Leads to an Inflammatory Response in the Lung. *Stem cells international*, 2023, 7397819.

Kwon J, et al. (2023) Mevalonate biosynthesis pathway regulates the development and survival of brown adipocytes. *iScience*, 26(3), 106161.

Al-Barghouthi BM, et al. (2022) Transcriptome-wide association study and eQTL colocalization identify potentially causal genes responsible for human bone mineral density GWAS associations. *eLife*, 11.

Amadeo F, et al. (2022) Firefly luciferase offers superior performance to AkaLuc for tracking the fate of administered cell therapies. *European journal of nuclear medicine and molecular imaging*, 49(3), 796.

Jin J, et al. (2022) PD-L1 near Infrared Photoimmunotherapy of Ovarian Cancer Model. *Cancers*, 14(3).

Song R, et al. (2022) Selection of rAAV vectors that cross the human blood-brain barrier and target the central nervous system using a transwell model. *Molecular therapy. Methods & clinical development*, 27, 73.

Pichardo AH, et al. (2022) Optical Tissue Clearing to Study the Intra-Pulmonary Biodistribution of Intravenously Delivered Mesenchymal Stromal Cells and Their Interactions with Host Lung Cells. *International journal of molecular sciences*, 23(22).

Ichise H, et al. (2022) Functional visualization of NK cell-mediated killing of metastatic single tumor cells. *eLife*, 11.

Ueno H, et al. (2022) TAS1553, a small molecule subunit interaction inhibitor of ribonucleotide reductase, exhibits antitumor activity by causing DNA replication stress. *Communications biology*, 5(1), 571.

Hirota K, et al. (2022) C-type Natriuretic Peptide-induced PKA Activation Promotes Endochondral Bone Formation in Hypertrophic Chondrocytes. *Endocrinology*, 163(3).

Zindl CL, et al. (2022) A nonredundant role for T cell-derived interleukin 22 in antibacterial defense of colonic crypts. *Immunity*, 55(3), 494.