

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

Keck MirKO ES cell line Mir146a

RRID:MMRRC_036857-UCD

Type: Organism

Proper Citation

RRID:MMRRC_036857-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=36857

Proper Citation: RRID:MMRRC_036857-UCD

Description: Mus musculus with name Keck MirKO ES cell line Mir146a from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: Keck MirKO

Affected Gene: Mir146

Catalog Number: 036857-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_36857-UCD, MMRRC_036857, MMRRC_36857

Organism Name: Keck MirKO ES cell line Mir146a

Record Creation Time: 20230308T055148+0000

Record Last Update: 20260905T110925+0000

Ratings and Alerts

No rating or validation information has been found for Keck MirKO ES cell line Mir146a.

No alerts have been found for Keck MirKO ES cell line Mir146a.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

McCormack NM, et al. (2023) Deletion of miR-146a enhances therapeutic protein restoration in model of dystrophin exon skipping. bioRxiv : the preprint server for biology.

Mei Y, et al. (2022) Bone marrow-confined IL-6 signaling mediates the progression of myelodysplastic syndromes to acute myeloid leukemia. The Journal of clinical investigation, 132(17).

Bobba CM, et al. (2021) Nanoparticle delivery of microRNA-146a regulates mechanotransduction in lung macrophages and mitigates injury during mechanical ventilation. Nature communications, 12(1), 289.

Garo LP, et al. (2021) MicroRNA-146a limits tumorigenic inflammation in colorectal cancer. Nature communications, 12(1), 2419.

Martin NA, et al. (2020) Absence of miRNA-146a Differentially Alters Microglia Function and Proteome. Frontiers in immunology, 11, 1110.

Javidan A, et al. (2019) miR-146a Deficiency Accelerates Hepatic Inflammation Without Influencing Diet-induced Obesity in Mice. Scientific reports, 9(1), 12626.

Bronisz-Budzyńska I, et al. (2019) miR-146a deficiency does not aggravate muscular dystrophy in mdx mice. Skeletal muscle, 9(1), 22.

Pan JA, et al. (2019) miR-146a attenuates apoptosis and modulates autophagy by targeting TAF9b/P53 pathway in doxorubicin-induced cardiotoxicity. Cell death & disease, 10(9), 668.

Runtsch MC, et al. (2019) Anti-inflammatory microRNA-146a protects mice from diet-induced metabolic disease. PLoS genetics, 15(2), e1007970.

Amrouche L, et al. (2019) MicroRNA-146a-deficient mice develop immune complex glomerulonephritis. Scientific reports, 9(1), 15597.

Ammari M, et al. (2018) Delivery of miR-146a to Ly6Chigh Monocytes Inhibits Pathogenic Bone Erosion in Inflammatory Arthritis. Theranostics, 8(21), 5972.

Zhang QB, et al. (2018) Mice with miR-146a deficiency develop severe gouty arthritis via dysregulation of TRAF 6, IRAK 1 and NALP3 inflammasome. Arthritis research & therapy, 20(1), 45.

Du CT, et al. (2018) MicroRNA-146a Deficiency Protects against *Listeria monocytogenes* Infection by Modulating the Gut Microbiota. *International journal of molecular sciences*, 19(4).

Martin NA, et al. (2018) Experimental Demyelination and Axonal Loss Are Reduced in MicroRNA-146a Deficient Mice. *Frontiers in immunology*, 9, 490.

Guan YJ, et al. (2018) Evidence that miR-146a attenuates aging- and trauma-induced osteoarthritis by inhibiting Notch1, IL-6, and IL-1 mediated catabolism. *Aging cell*, 17(3), e12752.

Mann M, et al. (2017) An NF- κ B-microRNA regulatory network tunes macrophage inflammatory responses. *Nature communications*, 8(1), 851.

King JK, et al. (2016) Regulation of Marginal Zone B-Cell Differentiation by MicroRNA-146a. *Frontiers in immunology*, 7, 670.

Alexander M, et al. (2015) Exosome-delivered microRNAs modulate the inflammatory response to endotoxin. *Nature communications*, 6, 7321.

Varney ME, et al. (2015) Loss of Tifab, a del(5q) MDS gene, alters hematopoiesis through derepression of Toll-like receptor-TRAF6 signaling. *The Journal of experimental medicine*, 212(11), 1967.

Contreras JR, et al. (2015) MicroRNA-146a modulates B-cell oncogenesis by regulating Egr1. *Oncotarget*, 6(13), 11023.