Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 14, 2025

Ears2$^{tm1a(EUCOMM)Wtsi}$

RRID:IMSR_EUMMCR:477
Type: Organism

Proper Citation

RRID:IMSR_EUMMCR:477

Organism Information

URL: https://www.eummcr.org/order?add=MGI%3A1914667&material=es_cells

Proper Citation: RRID:IMSR_EUMMCR:477

Description: Mus musculus with name Ears2$^{tm1a(EUCOMM)Wtsi}$ from IMSR.

Species: Mus musculus

Notes: gene symbol note: glutamyl-tRNA synthetase 2; mitochondrial; mutant strain: Ears2

Affected Gene: glutamyl-tRNA synthetase 2; mitochondrial

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

Catalog Number: EUMMCR:477

Database: European Mouse Mutant Cell Repository

Database Abbreviation: EuMMCR

Availability: ES Cell

Organism Name: Ears2$^{tm1a(EUCOMM)Wtsi}$

Record Creation Time: 20250513T061804+0000

Record Last Update: 20250513T071952+0000

Ratings and Alerts

No rating or validation information has been found for Ears2$^{tm1a(EUCOMM)Wtsi}$.

No alerts have been found for Ears2$^{tm1a(EUCOMM)Wtsi}$.

Data and Source Information

Source: Integrated Animals

Source Database: European Mouse Mutant Cell Repository

Usage and Citation Metrics

We found 37 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Lee HR, et al. (2024) Potential Role of Dietary Salmon Nasal Cartilage Proteoglycan on UVB-Induced Photoaged Skin. Biomolecules & therapeutics, 32(2), 249.

Geng R, et al. (2024) Dietary Isoeugenol Supplementation Attenuates Chronic UVB-Induced Skin Photoaging and Modulates Gut Microbiota in Mice. Nutrients, 16(4).

Levra Levron C, et al. (2023) Tissue memory relies on stem cell priming in distal undamaged areas. Nature cell biology, 25(5), 740.

Kim SH, et al. (2023) Protective effects of an electrophilic metabolite of docosahexaenoic acid on UVB-induced oxidative cell death, dermatitis, and carcinogenesis. Redox biology, 62, 102666.

Yang Z, et al. (2022) The effect of Q-switched 1064-nm dymium-doped yttrium aluminum garnet laser on the skin barrier and collagen synthesis through miR-24-3p. Lasers in medical science, 37(1), 205.

Chen YY, et al. (2022) Skin damage induced by zinc oxide nanoparticles combined with UVB is mediated by activating cell pyroptosis via the NLRP3 inflammasome-autophagy-exosomal pathway. Particle and fibre toxicology, 19(1), 2.

Park NJ, et al. (2022) Lobelia chinensis Extract and Its Active Compound, Diosmetin, Improve Atopic Dermatitis by Reinforcing Skin Barrier Function through SPINK5/LEKTI Regulation. International journal of molecular sciences, 23(15).

Zheng Y, et al. (2022) Commensal Staphylococcus epidermidis contributes to skin barrier homeostasis by generating protective ceramides. Cell host & microbe, 30(3), 301.

Kang MK, et al. (2021) Dietary Collagen Hydrolysates Ameliorate Furrowed and Parched Skin Caused by Photoaging in Hairless Mice. International journal of molecular sciences, 22(11).

Jegal J, et al. (2021) Wikstroemiaganpi Extract Improved Atopic Dermatitis-Like Skin Lesions via Suppression of Interleukin-4 in 2,4-Dinitrochlorobenzene-Induced SKH-1 Hairless Mice. Molecules (Basel, Switzerland), 26(7).

Gilardoni M, et al. (2021) Evidence for the systemic diffusion of (2-chloroethyl)-ethyl-sulfide, a sulfur mustard analog, and its deleterious effects in brain. Toxicology, 462, 152950.

Pérez M, et al. (2021) Comparison of Antibacterial Activity and Wound Healing in a Superficial Abrasion Mouse Model of Staphylococcus aureus Skin Infection Using Photodynamic Therapy Based on Methylene Blue or Mupirocin or Both. Frontiers in medicine, 8, 673408.

Kim MJ, et al. (2020) Reduced Fecal Calprotectin and Inflammation in a Murine Model of Atopic Dermatitis Following Probiotic Treatment. International journal of molecular sciences, 21(11).

Bode AM, et al. (2020) Are FDA-Approved Sunscreen Components Effective in Preventing Solar UV-Induced Skin Cancer? Cells, 9(7).

Petrlova J, et al. (2020) Thrombin-derived C-terminal fragments aggregate and scavenge bacteria and their proinflammatory products. The Journal of biological chemistry, 295(11), 3417.

Kong YH, et al. (2020) Juglanin administration protects skin against UVB?induced injury by reducing Nrf2?dependent ROS generation. International journal of molecular medicine, 46(1), 67.

Hosseini M, et al. (2019) UVB-induced DHODH upregulation, which is driven by STAT3, is a promising target for chemoprevention and combination therapy of photocarcinogenesis. Oncogenesis, 8(10), 52.

Kalin JH, et al. (2019) Investigation into the use of histone deacetylase inhibitor MS-275 as a topical agent for the prevention and treatment of cutaneous squamous cell carcinoma in an SKH-1 hairless mouse model. PloS one, 14(3), e0213095.

Nie S, et al. (2019) NLRP3 Inflammasome Mediated Interleukin-1? Production in Cancer-Associated Fibroblast Contributes to ALA-PDT for Cutaneous Squamous Cell Carcinoma. Cancer management and research, 11, 10257.

Kim JA, et al. (2019) Penta-1,2,3,4,6-O-Galloyl-?-D-Glucose Inhibits UVB-Induced Photoaging by Targeting PAK1 and JNK1. Antioxidants (Basel, Switzerland), 8(11).