

Resource Summary Report

Generated by [kravitz2](#) on Aug 1, 2026

B6.129-Tmc2^{tm1.1A}g/J

RRID:IMSR_JAX:019147

Type: Organism

Proper Citation

RRID:IMSR_JAX:019147

Organism Information

URL: <https://www.jax.org/strain/019147>

Proper Citation: RRID:IMSR_JAX:019147

Description: Mus musculus with name B6.129-Tmc2^{tm1.1A}g/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transmembrane channel-like gene family 2|beta-galactosidase; mutant strain|congenic strain: Tmc2|lacZ

Affected Gene: transmembrane channel-like gene family 2|beta-galactosidase

Genomic Alteration: targeted mutation 1.1; Andrew J Griffith

Catalog Number: JAX:019147

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Tmc2^{tm1.1A}g/J

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260801T050448+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Tmc2^{tm1.1A}g/J.

No alerts have been found for B6.129-Tmc2^{tm1.1A}g/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Ballesteros A, et al. (2022) Regulation of membrane homeostasis by TMC1 mechanoelectrical transduction channels is essential for hearing. Science advances, 8(31), eabm5550.

Liu S, et al. (2019) TMC1 is an essential component of a leak channel that modulates tonotopy and excitability of auditory hair cells in mice. eLife, 8.

Ballesteros A, et al. (2018) Structural relationship between the putative hair cell mechanotransduction channel TMC1 and TMEM16 proteins. eLife, 7.