

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

B6.129-Lhfpl5^{tm1Kjn}/Kjn

RRID:IMSR_JAX:005434

Type: Organism

Proper Citation

RRID:IMSR_JAX:005434

Organism Information

URL: <https://www.jax.org/strain/005434>

Proper Citation: RRID:IMSR_JAX:005434

Description: Mus musculus with name B6.129-Lhfpl5^{tm1Kjn}/Kjn from IMSR.

Species: Mus musculus

Synonyms: B6.129-Tmhs/Kjn

Notes: gene symbol note: lipoma HMGIC fusion partner-like 5|beta-galactosidase; mutant strain|congenic strain: Lhfpl5|lacZ

Affected Gene: lipoma HMGIC fusion partner-like 5|beta-galactosidase

Genomic Alteration: targeted mutation 1; Kenneth R Johnson

Catalog Number: JAX:005434

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Lhfpl5^{tm1Kjn}/Kjn

Record Creation Time: 20250513T053650+0000

Record Last Update: 20260815T050558+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Lhfpl5^{tm1Kjn}/Kjn.

No alerts have been found for B6.129-LhfpI5^{tm1Kjn}/Kjn.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Fettiplace R, et al. (2022) The conductance and organization of the TMC1-containing mechanotransducer channel complex in auditory hair cells. Proceedings of the National Academy of Sciences of the United States of America, 119(41), e2210849119.

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.