

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

NOR/LtJ

RRID:IMSR_JAX:002050

Type: Organism

Proper Citation

RRID:IMSR_JAX:002050

Organism Information

URL: <https://www.jax.org/strain/002050>

Proper Citation: RRID:IMSR_JAX:002050

Description: Mus musculus with name NOR/LtJ from IMSR.

Species: Mus musculus

Synonyms: NOR

Notes: gene symbol note: G protein-coupled receptor 84|cadherin related 23 (otocadherin); inbred strain: Gpr84|Cdh23

Affected Gene: G protein-coupled receptor 84|cadherin related 23 (otocadherin)

Genomic Alteration: deletion|age related hearing loss 1

Catalog Number: JAX:002050

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOR/LtJ

Record Creation Time: 20250513T053629+0000

Record Last Update: 20260808T050830+0000

Ratings and Alerts

- Used for humanized mouse by the Human Islet Research Network community.
Contact(s): [Dario DeJesus](#), [Rohit Kulkarni](#) - Human Islets Research Network
<https://hirnetwork.org/>

No alerts have been found for NOR/LtJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Ren W, et al. (2025) A tandem repeat atlas for the genome of inbred mouse strains: A genetic variation resource. *iScience*, 28(11), 113703.

Xu G, et al. (2023) Verapamil Prevents Decline of IGF-I in Subjects With Type 1 Diabetes and Promotes β -Cell IGF-I Signaling. *Diabetes*, 72(10), 1460.

Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. *Cell reports*, 38(2), 110231.

Molendijk J, et al. (2022) Proteome-wide systems genetics identifies UFMylation as a regulator of skeletal muscle function. *eLife*, 11.

Postigo-Fernandez J, et al. (2019) Phenotypic alterations in pancreatic lymph node stromal cells from human donors with type 1 diabetes and NOD mice. *Diabetologia*, 62(11), 2040.

Aslamy A, et al. (2018) Exocytosis Protein DOC2B as a Biomarker of Type 1 Diabetes. *The Journal of clinical endocrinology and metabolism*, 103(5), 1966.