

# Resource Summary Report

Generated by ASWG on Sep 20, 2026

## NOR/LtJ

RRID:IMSR\_JAX:002050

Type: Organism

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### Proper Citation

RRID:IMSR\_JAX:002050

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### 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: cadherin related 23 (otocadherin)|G protein-coupled receptor 84; inbred strain: Cdh23|Gpr84

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

**Genomic Alteration:** age related hearing loss 1|deletion

**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:** 20260919T054818+0000

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### 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.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 6 mentions in open access literature.

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

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  $\beta$ -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.