

Resource Summary Report

Generated by [NIF](#) on Aug 17, 2026

C57BL/6J-Scn8a^{4J}/J

RRID:IMSR_JAX:004102

Type: Organism

Proper Citation

RRID:IMSR_JAX:004102

Organism Information

URL: <https://www.jax.org/strain/004102>

Proper Citation: RRID:IMSR_JAX:004102

Description: Mus musculus with name C57BL/6J-Scn8a^{4J}/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-nmf2. C57BL/6J-Scn8a/J. C57BL/6J-Scn8a. NMF2

Notes: gene symbol note: sodium channel; voltage-gated; type VIII; alpha; coisogenic strain|mutant strain: Scn8a

Affected Gene: sodium channel; voltage-gated; type VIII; alpha

Genomic Alteration: 4 Jackson

Catalog Number: JAX:004102

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6J-Scn8a^{4J}/J

Record Creation Time: 20250513T053643+0000

Record Last Update: 20260815T050552+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Scn8a^{4J}/J.

No alerts have been found for C57BL/6J-Scn8a^{4J}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Mackenzie FE, et al. (2009) Analysis of the mouse mutant Cloth-ears shows a role for the voltage-gated sodium channel Scn8a in peripheral neural hearing loss. Genes, brain, and behavior, 8(7), 699.