

Resource Summary Report

Generated by ASWG on Aug 28, 2026

B6;129-Nlgn1^{tm1Bros}/J

RRID:IMSR_JAX:008136

Type: Organism

Proper Citation

RRID:IMSR_JAX:008136

Organism Information

URL: <https://www.jax.org/strain/008136>

Proper Citation: RRID:IMSR_JAX:008136

Description: Mus musculus with name B6;129-Nlgn1^{tm1Bros}/J from IMSR.

Species: Mus musculus

Synonyms: B6;129-Nlgn1/J

Notes: gene symbol note: neuroligin 1; mutant stock: Nlgn1

Affected Gene: neuroligin 1

Genomic Alteration: targeted mutation 1; Nils Brose

Catalog Number: JAX:008136

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Nlgn1^{tm1Bros}/J

Record Creation Time: 20250513T053706+0000

Record Last Update: 20260815T050624+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Nlgn1^{tm1Bros}/J.

No alerts have been found for B6;129-Nlgn1^{tm1Bros}/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 [ASWG](#) .

Lv D, et al. (2025) Neuroligin 1 Regulates Autistic-Like Repetitive Behavior through Modulating the Activity of Striatal D2 Receptor-Expressing Medium Spiny Neurons. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(5), e2410728.

Lina JM, et al. (2019) Scale-Free Dynamics of the Mouse Wakefulness and Sleep Electroencephalogram Quantified Using Wavelet-Leaders. Clocks & sleep, 1(1), 50.

Massart R, et al. (2014) The genome-wide landscape of DNA methylation and hydroxymethylation in response to sleep deprivation impacts on synaptic plasticity genes. Translational psychiatry, 4(1), e347.