

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 2, 2026

[Nlgn3^{tm1Bros}/Nlgn3^{tm1Bros}](#)

RRID:MGI:4353654

Type: Organism

Proper Citation

RRID:MGI:4353654

Organism Information

URL:

Proper Citation: RRID:MGI:4353654

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: behavior/neurological phenotype, impaired olfaction, decreased brain size, nervous system phenotype, hyperactivity, impaired cued conditioning behavior, decreased vocalization, abnormal social investigation, impaired contextual conditioning behavior

Affected Gene: Nlgn3

Genomic Alteration: tm1Bros

Catalog Number: 4353654

Background: B6.Cg-Nlgn3

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:19243448](#)

Organism Name: Nlgn3^{tm1Bros}/Nlgn3^{tm1Bros}

Record Creation Time: 20240120T190329+0000

Record Last Update: 20240130T201855+0000

Ratings and Alerts

No rating or validation information has been found for Nlgn3^{tm1Bros}/Nlgn3^{tm1Bros}.

No alerts have been found for Nlgn3^{tm1Bros}/Nlgn3^{tm1Bros}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Muellerleile J, et al. (2022) Neuroligin-3 Regulates Excitatory Synaptic Transmission and EPSP-Spike Coupling in the Dentate Gyrus In Vivo. Molecular neurobiology, 59(2), 1098.