Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 16, 2025

B6;129-Nrxn3^{tm2Sud} Nrxn1 Nrxn2/J

RRID:IMSR_JAX:008416
Type: Organism

Proper Citation

RRID:IMSR_JAX:008416

Organism Information

URL: https://www.jax.org/strain/008416

Proper Citation: RRID:IMSR_JAX:008416

Description: Mus musculus with name B6;129-Nrxn3^{tm2Sud} Nrxn1 Nrxn2/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: neurexin III|neurexin II|neurexin I; mutant stock: Nrxn3|Nrxn2|Nrxn1

Affected Gene: neurexin III|neurexin II|neurexin I

Genomic Alteration: targeted mutation 2; Thomas C Sudhof

Catalog Number: JAX:008416

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6;129-Nrxn3^{tm2Sud} Nrxn1 Nrxn2/J

Record Creation Time: 20250513T053708+0000

Record Last Update: 20250513T053854+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Nrxn3^{tm2Sud} Nrxn1 Nrxn2/J.

No alerts have been found for B6;129-Nrxn3^{tm2Sud} Nrxn1 Nrxn2/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Mohrmann L, et al. (2024) Distinct Alterations in Dendritic Spine Morphology in the Absence of ?-Neurexins. International journal of molecular sciences, 25(2).

Klatt O, et al. (2021) Endogenous ?-neurexins on axons and within synapses show regulated dynamic behavior. Cell reports, 35(11), 109266.

Ferdos S, et al. (2021) Deletion of ?-Neurexins in Mice Alters the Distribution of Dense-Core Vesicles in Presynapses of Hippocampal and Cerebellar Neurons. Frontiers in neuroanatomy, 15, 757017.

Wu X, et al. (2019) Neuroligin-1 Signaling Controls LTP and NMDA Receptors by Distinct Molecular Pathways. Neuron, 102(3), 621.