Resource Summary Report

Generated by dkNET on Sep 21, 2026

B6N.129-Gria1^{tm1Rsp}/J

RRID:IMSR_JAX:019011
Type: Organism

Proper Citation

RRID:IMSR_JAX:019011

Organism Information

URL: https://www.jax.org/strain/019011

Proper Citation: RRID:IMSR_JAX:019011

Description: Mus musculus with name B6N.129-Gria1^{tm1Rsp}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: glutamate receptor; ionotropic; AMPA1 (alpha 1); mutant strain|congenic strain: Gria1

Affected Gene: glutamate receptor; ionotropic; AMPA1 (alpha 1)

Genomic Alteration: targeted mutation 1; Rolf Sprengel

Catalog Number: JAX:019011

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6N.129-Gria1^{tm1Rsp}/J

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260919T054927+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129-Gria1^{tm1Rsp}/J.

No alerts have been found for B6N.129-Gria1^{tm1Rsp}/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 dkNET .

Eltokhi A, et al. (2023) Distinct effects of AMPAR subunit depletion on spatial memory. iScience, 26(11), 108116.

Aitta-Aho T, et al. (2019) Attenuation of Novelty-Induced Hyperactivity of Gria1-/- Mice by Cannabidiol and Hippocampal Inhibitory Chemogenetics. Frontiers in pharmacology, 10, 309.

Shimshek DR, et al. (2017) Different Forms of AMPA Receptor Mediated LTP and Their Correlation to the Spatial Working Memory Formation. Frontiers in molecular neuroscience, 10, 214.