

Resource Summary Report

Generated by [dkNET](#) on Aug 4, 2026

[Gria2^{tm2Rsp}/Gria2^{tm2Rsp}](#)

RRID:MGI:3612255

Type: Organism

Proper Citation

RRID:MGI:3612255

Organism Information

URL:

Proper Citation: RRID:MGI:3612255

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

Species: Mus musculus

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

Phenotype: abnormal excitatory postsynaptic potential, abnormal hippocampus CA3 region morphology, decreased body weight, postnatal growth retardation, lethargy, postnatal lethality, complete penetrance, abnormal AMPA-mediated synaptic currents

Affected Gene: Gria2

Genomic Alteration: tm2Rsp

Catalog Number: 3612255

Background: involves: 129S1/Sv * 129X1/SvJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10195181](#)

Organism Name: Gria2^{tm2Rsp}/Gria2^{tm2Rsp}

Record Creation Time: 20240120T190611+0000

Record Last Update: 20240130T202011+0000

Ratings and Alerts

No rating or validation information has been found for Gria2^{tm2Rsp}/Gria2^{tm2Rsp}.

No alerts have been found for Gria2^{tm2Rsp}/Gria2^{tm2Rsp}.

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 [dkNET](#) .

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.