

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

[Gria4^{tm1.1Mony}/Gria4^{tm1.1Mony}](#)

RRID:MGI:3804915

Type: Organism

Proper Citation

RRID:MGI:3804915

Organism Information

URL:

Proper Citation: RRID:MGI:3804915

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

Species: Mus musculus

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

Phenotype: abnormal spatial working memory, decreased exploration in new environment, abnormal AMPA-mediated synaptic currents, abnormal inhibitory postsynaptic potential, abnormal excitatory postsynaptic potential, abnormal action potential, decreased vertical activity, impaired ability to fire action potentials, abnormal nervous system electrophysiology, abnormal object recognition memory, abnormal neuron physiology

Affected Gene: Gria4

Genomic Alteration: tm1.1Mony

Catalog Number: 3804915

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:17296559](#)

Organism Name: Gria4^{tm1.1Mony}/Gria4^{tm1.1Mony}

Record Creation Time: 20240120T190423+0000

Record Last Update: 20240130T201910+0000

Ratings and Alerts

No rating or validation information has been found for Gria4^{tm1.1Mony}/Gria4^{tm1.1Mony}.

No alerts have been found for Gria4^{tm1.1Mony}/Gria4^{tm1.1Mony}.

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 [NIF](#) .

Kita K, et al. (2021) GluA4 facilitates cerebellar expansion coding and enables associative memory formation. eLife, 10.