

# Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

## Shank2<sup>tm1Mgle</sup>/Shank2<sup>tm1Mgle</sup>

RRID:MGI:5437480

Type: Organism

### Proper Citation

RRID:MGI:5437480

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:5437480

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

**Species:** Mus musculus

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

**Phenotype:** impaired coordination, abnormal cerebellar molecular layer, abnormal miniature excitatory postsynaptic currents, abnormal excitatory synapse morphology, reduced long term potentiation, nervous system phenotype, increased grooming behavior, increased anxiety-related response, hyperactivity, abnormal voluntary movement, decreased vocalization, abnormal spatial learning, abnormal social investigation, abnormal pup retrieval, abnormal nest building behavior, abnormal nervous system physiology, abnormal learning/memory/conditioning, reduced long term depression, increased anxiety-related response

**Affected Gene:** Shank2

**Genomic Alteration:** tm1Mgle

**Catalog Number:** 5437480

**Background:** B6.129S4-Shank2

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:22699620](#), [PMID:27903723](#)

**Organism Name:** Shank2<sup>tm1Mgle</sup>/Shank2<sup>tm1Mgle</sup>

**Record Creation Time:** 20240120T190138+0000

**Record Last Update:** 20240130T201735+0000

---

## Ratings and Alerts

No rating or validation information has been found for Shank2<sup>tm1Mgle</sup>/Shank2<sup>tm1Mgle</sup>.

No alerts have been found for Shank2<sup>tm1Mgle</sup>/Shank2<sup>tm1Mgle</sup>.

---

## 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](#) .

Sato M, et al. (2017) Hippocampus-Dependent Goal Localization by Head-Fixed Mice in Virtual Reality. eNeuro, 4(3).