

Resource Summary Report

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

Shank2^{tm1Mgle}/Shank2^{tm1Mgle}

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^{tm1Mgle}/Shank2^{tm1Mgle}

Record Creation Time: 20240120T190138+0000

Record Last Update: 20240130T201735+0000

Ratings and Alerts

No rating or validation information has been found for Shank2^{tm1Mgle}/Shank2^{tm1Mgle}.

No alerts have been found for Shank2^{tm1Mgle}/Shank2^{tm1Mgle}.

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).