

Resource Summary Report

Generated by [dkNET](#) on Aug 23, 2026

[Shank3^{tm2Gfng}/Shank3^{tm2Gfng}](#)

RRID:MGI:4949761

Type: Organism

Proper Citation

RRID:MGI:4949761

Organism Information

URL:

Proper Citation: RRID:MGI:4949761

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

Species: Mus musculus

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

Phenotype: abnormal miniature excitatory postsynaptic currents, social withdrawal, abnormal striatum morphology, skin lesions, abnormal medium spiny neuron morphology, increased anxiety-related response, abnormal postsynaptic density morphology, increased grooming behavior, behavior/neurological phenotype, decreased vertical activity, environmentally induced seizures

Affected Gene: Shank3

Genomic Alteration: tm2Gfng

Catalog Number: 4949761

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:21423165](#)

Organism Name: Shank3^{tm2Gfng}/Shank3^{tm2Gfng}

Record Creation Time: 20240120T190225+0000

Record Last Update: 20240130T201804+0000

Ratings and Alerts

No rating or validation information has been found for Shank3^{tm2Gfng}/Shank3^{tm2Gfng}.

No alerts have been found for Shank3^{tm2Gfng}/Shank3^{tm2Gfng}.

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](#) .

Lautz JD, et al. (2018) Synaptic activity induces input-specific rearrangements in a targeted synaptic protein interaction network. Journal of neurochemistry, 146(5), 540.