

Resource Summary Report

Generated by [NIF](#) on Sep 4, 2026

STOCK Shank3^{tm1.1Pfw/J}

RRID:IMSR_JAX:018398

Type: Organism

Proper Citation

RRID:IMSR_JAX:018398

Organism Information

URL: <https://www.jax.org/strain/018398>

Proper Citation: RRID:IMSR_JAX:018398

Description: Mus musculus with name STOCK Shank3^{tm1.1Pfw/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129S6(Cg)-Shank3/J. B6.Cg-Shank3/J

Notes: gene symbol note: SH3 and multiple ankyrin repeat domains 3; mutant stock|congenic strain: Shank3

Affected Gene: SH3 and multiple ankyrin repeat domains 3

Genomic Alteration: targeted mutation 1.1; Paul Worley

Catalog Number: JAX:018398

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Shank3^{tm1.1Pfw/J}

Record Creation Time: 20250513T053737+0000

Record Last Update: 20260829T045057+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Shank3^{tm1.1Pfw/J}.

No alerts have been found for STOCK Shank3^{tm1.1Pfw/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Al Abed AS, et al. (2024) Parvalbumin interneuron activity in autism underlies susceptibility to PTSD-like memory formation. iScience, 27(5), 109747.

Lin R, et al. (2021) Homer1a regulates Shank3 expression and underlies behavioral vulnerability to stress in a model of Phelan-McDermid syndrome. Cell reports, 37(7), 110014.

Ingiosi AM, et al. (2019) Shank3 modulates sleep and expression of circadian transcription factors. eLife, 8.