

Resource Summary Report

Generated by [kravitz2](#) on Sep 20, 2026

STOCK Cdc42^{tm1Yizh/J}

RRID:IMSR_JAX:027576

Type: Organism

Proper Citation

RRID:IMSR_JAX:027576

Organism Information

URL: <https://www.jax.org/strain/027576>

Proper Citation: RRID:IMSR_JAX:027576

Description: Mus musculus with name STOCK Cdc42^{tm1Yizh/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: cell division cycle 42; mutant stock: Cdc42

Affected Gene: cell division cycle 42

Genomic Alteration: targeted mutation 1; Yi Zheng

Catalog Number: JAX:027576

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Cdc42^{tm1Yizh/J}

Record Creation Time: 20250513T053801+0000

Record Last Update: 20260919T054945+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Cdc42^{tm1Yizh/J}.

No alerts have been found for STOCK Cdc42^{tm1Yizh/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Bekku Y, et al. (2024) Glia trigger endocytic clearance of axonal proteins to promote rodent myelination. *Developmental cell*.

Zhao R, et al. (2024) Sustained amphiregulin expression in intermediate alveolar stem cells drives progressive fibrosis. *Cell stem cell*, 31(9), 1344.

Mori Y, et al. (2021) Cdc42 is required for male germline niche development in mice. *Cell reports*, 36(7), 109550.

Heinrich A, et al. (2021) Cdc42 activity in Sertoli cells is essential for maintenance of spermatogenesis. *Cell reports*, 37(4), 109885.