

Resource Summary Report

Generated by [NIF](#) on Sep 22, 2026

SD-Nlgn3^{em1Sage}

RRID:RGD_11568700

Type: Organism

Proper Citation

RRID:RGD_11568700

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=11568700>

Proper Citation: RRID:RGD_11568700

Description: Rattus norvegicus with name SD-Nlgn3^{em1Sage} from RGD.

Species: Rattus norvegicus

Notes: The ZFN mutant rat strain was produced by injecting zinc finger nuclease targeting rat Nlgn3 into Sprague Dawley embryos. Homozygous knockout rats exhibit complete loss of target protein as demonstrated by Western blot. [Horizon Discovery](#)

Catalog Number: 11568700

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals; Cryopreserved Embryo (as of 2016-12-13)

Alternate IDs: 11568700

Organism Name: SD-Nlgn3^{em1Sage}

Record Creation Time: 20230509T191947+0000

Record Last Update: 20260919T201846+0000

Ratings and Alerts

No rating or validation information has been found for SD-Nlgn3^{em1Sage}.

No alerts have been found for SD-*Nlgn3^{em1}*Sage.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Anstey NJ, et al. (2022) Imbalance of flight-freeze responses and their cellular correlates in the *Nlgn3*-/- rat model of autism. *Molecular autism*, 13(1), 34.