

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

SD-Bdnf^{em1Sage+/-}

RRID:RGD_12902621

Type: Organism

Proper Citation

RRID:RGD_12902621

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=12902621>

Proper Citation: RRID:RGD_12902621

Description: Rattus norvegicus with name SD-Bdnf^{em1Sage+/-} from RGD.

Species: Rattus norvegicus

Notes: This ZFN model contains a monoallelic deletion of the Bdnf gene, encoding for the nerve growth factor protein BDNF. Homozygous animals carrying the Bdnf deletion are postnatal lethal. Reductions of BDNF have been observed in patients with Alzheimer's disease (AD), and this model may be useful for understanding the role of BDNF in AD.

[Horizon Discovery](#)

Catalog Number: 12902621

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals (as of 2017-06-20)

Alternate IDs: 12902621

Organism Name: SD-Bdnf^{em1Sage+/-}

Record Creation Time: 20230509T191948+0000

Record Last Update: 20260808T193743+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Bdnf*^{em1Sage+/-}.

No alerts have been found for SD-*Bdnf*^{em1Sage+/-}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.