

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

[SD-Nr1i2^{em1Sage} Nr1i3^{em1Sage} Ahr^{em1Sage}](#)

RRID:RGD_12903272

Type: Organism

Proper Citation

RRID:RGD_12903272

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=12903272>

Proper Citation: RRID:RGD_12903272

Description: Rattus norvegicus with name SD-Nr1i2^{em1Sage} Nr1i3^{em1Sage} Ahr^{em1Sage} from RGD.

Species: Rattus norvegicus

Notes: This model contains three knockout genes, the 20-bp deletion within rat Nr1i2, the ZFN-induced 10-bp deletion within rat Nr1i3 gene and the 760-bp deletion in the rat Ahr gene. [Horizon Discovery](#)

Catalog Number: 12903272

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2017-05-10)

Alternate IDs: 12903272

Organism Name: SD-Nr1i2^{em1Sage} Nr1i3^{em1Sage} Ahr^{em1Sage}

Record Creation Time: 20230509T191948+0000

Record Last Update: 20260829T184952+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Nr1i2^{em1Sage}* *Nr1i3^{em1Sage}* *Ahr^{em1Sage}*.

No alerts have been found for SD-*Nr1i2^{em1Sage}* *Nr1i3^{em1Sage}* *Ahr^{em1Sage}*.

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 [dkNET](#) .

Chenouard V, et al. (2021) Advances in Genome Editing and Application to the Generation of Genetically Modified Rat Models. *Frontiers in genetics*, 12, 615491.