

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

SD-Rag2^{em1Hera}

RRID:RGD_38543943

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=38543943>

Proper Citation: RRID:RGD_38543943

Description: Rattus norvegicus with name SD-Rag2^{em1Hera} from RGD.

Species: Rattus norvegicus

Notes: The Rag2 gene in rat spermatogonia stem cells (SSC, SD-WT2) was targeted by TALENs and resulted in a 27-bp in-frame deletion. The genome modified SSC was transplanted to Busulfan-treated, Dazl-deficient male Sprague Dawley rats and mated with wild type female Sprague Dawley rats 70 to 81 later. The allele was then bred to homozygosity to generate the Sprague-Dawley Rag2 (SDR)-knockout rat.

Catalog Number: 38543943

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 38543943

Organism Name: SD-Rag2^{em1Hera}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193746+0000

Ratings and Alerts

No rating or validation information has been found for *SD-Rag2^{em1Hera}*.

No alerts have been found for *SD-Rag2^{em1Hera}*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Sarko LE, et al. (2026) uPAR exhibits age- and region-dependent expression in the brains of mice with Alzheimer's disease-like pathology. *Brain research*, 1886, 150364.

Tian M, et al. (2026) Maturation of HIV-1 neutralizing antibodies in a germinal center conditional expression mouse model. *PLoS pathogens*, 22(6), e1014373.