

Resource Summary Report

Generated by [dkNET](#) on Sep 2, 2026

F344-Rag1^{em1Sage}

RRID:RGD_12904902

Type: Organism

Proper Citation

RRID:RGD_12904902

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=12904902>

Proper Citation: RRID:RGD_12904902

Description: Rattus norvegicus with name F344-Rag1^{em1Sage} from RGD.

Species: Rattus norvegicus

Notes: This ZFN model carries a 29 bp deletion within exon 2 of the Rag1 gene on chromosome 3. Rag1 knockout rats lack mature B and T lymphocytes. [Horizon Discovery](#)

Catalog Number: 12904902

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2017-05-24)

Alternate IDs: 12904902

Organism Name: F344-Rag1^{em1Sage}

Record Creation Time: 20230509T191948+0000

Record Last Update: 20260829T184951+0000

Ratings and Alerts

No rating or validation information has been found for F344-Rag1^{em1Sage}.

No alerts have been found for F344-Rag1^{em1Sage}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Yi J, et al. (2025) Elastin-derived extracellular matrix fragments drive aging through innate immune activation. Nature aging, 5(12), 2380.

Yamashita M, et al. (2024) Cell-type specific, inducible and acute degradation of targeted protein in mice by two degron systems. Nature communications, 15(1), 10129.

Siracusa F, et al. (2023) Short-term dietary changes can result in mucosal and systemic immune depression. Nature immunology, 24(9), 1473.