

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

F344-Rag2^{em1}lexas

RRID:RGD_38599189

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=38599189>

Proper Citation: RRID:RGD_38599189

Description: Rattus norvegicus with name F344-Rag2^{em1}lexas from RGD.

Species: Rattus norvegicus

Notes: This strain was established by targeting Rag2 gene in F344/Jcl using CRISPR/Cas9 system. gRNA to Rag2: AACATAGCCTTAATTCAACCAGG (PAM: last AGG); Cas 9 mRNA transcribed from T7-NLS hCas9-pA (RDB13130) was used for the system. Gene transfer was performed by electroporation. This strain shows severe combined immunodeficiency (SCID) caused by 1-bp insertion in Rag2 gene on chromosome 3. This strain grows normally under SPF condition. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 38599189

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2020-09-14)

Alternate IDs: 38599189

Organism Name: F344-Rag2^{em1}lexas

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260725T194309+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Rag2*^{em1lexas}.

No alerts have been found for F344-*Rag2*^{em1lexas}.

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.