

Resource Summary Report

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

F344;SD-C3^{em1Linf}

RRID:RGD_19165133

Type: Organism

Proper Citation

RRID:RGD_19165133

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=19165133>

Proper Citation: RRID:RGD_19165133

Description: Rattus norvegicus with name F344;SD-C3^{em1Linf} from RGD.

Species: Rattus norvegicus

Notes: This mutant strain was created by CRISPR/Cas9 genome editing system. The mutant carried insertion of a premature termination codon in exon 2 and was predicted to result in loss of protein expression due to non-sense mediated decay of mRNA. The heterozygous knock out rats (F344/Sprague Dawley mixed background) were bred to each other, and the pups were genotyped to identify the WT and C3 homozygous knock out littermates.

Catalog Number: 19165133

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 19165133

Organism Name: F344;SD-C3^{em1Linf}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193745+0000

Ratings and Alerts

No rating or validation information has been found for F344;SD-C3^{em1Linf}.

No alerts have been found for F344;SD-C3^{em1Linf}.

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 [nidm-terms](#).

Gansemer BM, et al. (2024) Spiral ganglion neuron degeneration in aminoglycoside-deafened rats involves innate and adaptive immune responses not requiring complement. *Frontiers in molecular neuroscience*, 17, 1389816.

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