

Resource Summary Report

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F344-Nppc^{em1Kyo}

RRID:RGD_127284865

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=127284865>

Proper Citation: RRID:RGD_127284865

Description: Rattus norvegicus with name F344-Nppc^{em1Kyo} from RGD.

Species: Rattus norvegicus

Notes: This strain was established by injecting Zinc-finger nucleases (ZFNs) to F344/Stm pronuclear stage embryos. Selected ZFNs were designed to target exon 1 of rat Nppc, which encodes the N-terminus of natriuretic peptide precursor C (target sequence: CGAAGCCAAGCCCGGGACaccaccGAAGGTGGGTGCTGTCGCG; nucleotides 179 - 221, NC_005108.4). The injected F344/Stm embryos were transferred into the oviducts of pseudopregnant rats. Four lines of knockout strains were established. This F344-Nppc^{em1Kyo} strain (delta 6) was deduced to generate a two a.a. deletion (a.a. 28 and 29, Pro and Pro, NP_446202, at nucleotides 198 - 203, NM_053750.1). [National BioResource Project for the Rat in Japan](#)

Catalog Number: 127284865

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 127284865

Organism Name: F344-Nppc^{em1Kyo}

Record Creation Time: 20230509T191950+0000

Record Last Update: 20260912T202537+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Nppc*^{em1Kyo}.

No alerts have been found for F344-*Nppc*^{em1Kyo}.

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.