

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

F344-Nppc^{em3Kyo}

RRID:RGD_127284870

Type: Organism

Proper Citation

RRID:RGD_127284870

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=127284870>

Proper Citation: RRID:RGD_127284870

Description: Rattus norvegicus with name F344-Nppc^{em3Kyo} 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^{em3Kyo} strain (delta 11) was deduced to generated a frame shift and a premature stop codon (at nucleotides 275 - 277, NM_053750.1) [National BioResource Project for the Rat in Japan](#)

Catalog Number: 127284870

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 127284870

Organism Name: F344-Nppc^{em3Kyo}

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260725T194309+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Nppc*^{em3Kyo}.

No alerts have been found for F344-*Nppc*^{em3Kyo}.

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.