

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

## F344-Hspa8<sup>em2Opu</sup>

RRID:RGD\_598092577

Type: Organism

### Proper Citation

RRID:RGD\_598092577

### Organism Information

**URL:** <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=598092577>

**Proper Citation:** RRID:RGD\_598092577

**Description:** Rattus norvegicus with name F344-Hspa8<sup>em2Opu</sup> from RGD.

**Species:** Rattus norvegicus

**Notes:** The Hspa8 mutation (c.284T>A) in the KK rat (NBRP Rat No. 0890) was inserted into the F344/Jcl. Knocking in of the mutant allele was performed by ISODN-mediated knock-in with the CRISPR-Cas9 system. The gRNA and PAM sequences are gtgccacaagctattaaatatatgg (PAM: tgg) and ccatttatggatgggctctctccc (PAM: cca). In KI rats, each PAM sequence is replaced by a silent mutation. Two lines were obtained from founder rats. In line 2, there are two SNPs in the intron where the upstream gRNA, but this is not related to the phenotype. This strain was produced with the support of the AdAMS (Advanced Animal Model Support). [National BioResource Project for the Rat in Japan](#)

**Catalog Number:** 598092577

**Background:** mutant

**Database:** Rat Genome Database (RGD)

**Database Abbreviation:** RGD

**Availability:** Cryopreserved Sperm (as of 2025-03-27)

**Alternate IDs:** 598092577

**Organism Name:** F344-Hspa8<sup>em2Opu</sup>

**Record Creation Time:** 20250416T090723+0000

**Record Last Update:** 20260725T194313+0000

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## Ratings and Alerts

No rating or validation information has been found for F344-*Hspa8*<sup>em2Opu</sup>.

No alerts have been found for F344-*Hspa8*<sup>em2Opu</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Rat Genome Database (RGD)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.