

Resource Summary Report

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

F344-Prkar1b^{em1Tua}

RRID:RGD_150519899

Type: Organism

Proper Citation

RRID:RGD_150519899

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=150519899>

Proper Citation: RRID:RGD_150519899

Description: Rattus norvegicus with name F344-Prkar1b^{em1Tua} from RGD.

Species: Rattus norvegicus

Notes: CRISPR/Cas9 system containing guide RNAs targeting exon 2 and intron 2 were introduced into the F344/Stm embryos using a super electroporator NEPA 2. This mutant strain F344-Prkar1b^{em1Tua} carried a 2-bp frameshift insertion in exon2 creating a premature stop codon in the Prkar1b transcripts. Expression levels of Prkar1b transcripts and protein are significantly decreased in the mutants.

Catalog Number: 150519899

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 150519899

Organism Name: F344-Prkar1b^{em1Tua}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193745+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Prkar1b*^{em1Tua}.

No alerts have been found for F344-*Prkar1b*^{em1Tua}.

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.