

Resource Summary Report

Generated by [dkNET](#) on Sep 20, 2026

F344-Txn1 *em1Kyo*

RRID:RGD_288084582

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=288084582>

Proper Citation: RRID:RGD_288084582

Description: Rattus norvegicus with name F344-Txn1 *em1Kyo* from RGD.

Species: Rattus norvegicus

Notes: This CRISPR/Cas9 induced mutation Phe54Leu is induced in embryos of F344/NSlc. The genome editing system targeting exon 3 of Txn1 gene (c. 160 T > C) was delivered into embryos by electroporation. The two-cell stage embryos were transferred into the oviducts of pseudopregnant females. The rat called Txn1-F54L rat, replicates Adem rats (RGD:288084580) which carried Phe54Leu mutation in the same gene. These two strains exhibit similar phenotype.

Catalog Number: 288084582

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 288084582

Organism Name: F344-Txn1 *em1Kyo*

Record Creation Time: 20230509T191952+0000

Record Last Update: 20260919T201853+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Txn1*^{em1Kyo}.

No alerts have been found for F344-*Txn1*^{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.