

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

F344-Tg(CAG-ACE2)057BrydRrrc

RRID:RRRC_00946

Type: Organism

Proper Citation

RRID:RRRC_00946

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=155641251

Proper Citation: RRID:RRRC_00946

Description: Rattus norvegicus with name F344-Tg(CAG-ACE2)057BrydRrrc from RGD.

Species: Rattus norvegicus

Notes: The human ACE2 gene was placed under control of the synthetic CAG promoter which allows ubiquitous expression of the gene. Based on droplet digital PCR analysis, the strain carries only 1 copy of the transgene. The integration site is unknown. These rats express the human ACE2 gene. The encoded protein is a functional receptor for the spike glycoprotein of several human coronaviruses including SARS-CoV-2, the causative agent of coronavirus disease-2019 (COVID-19). [Rat Resource and Research Center](#)

Catalog Number: 00946

Background: transgenic

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Live Animals (as of 2022-11-04)

Alternate IDs: RGD_155641251, 155641251, RRRC_946, RRRC_0946, RRRC_00946

Organism Name: F344-Tg(CAG-ACE2)057BrydRrrc

Record Creation Time: 20230607T202008+0000

Record Last Update: 20260905T094653+0000

Ratings and Alerts

No rating or validation information has been found for F344-Tg(CAG-ACE2)057BrydRrrc .

No alerts have been found for F344-Tg(CAG-ACE2)057BrydRrrc .

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Olson RM, et al. (2025) Generation and characterization of a humanized ACE2 rat model for the study of SARS-CoV-2 and COVID-19. *Frontiers in microbiology*, 16, 1680273.