

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

ACI.F344-(D16Rat12-D16Mco2)/Nkg

RRID:RGD_2305977

Type: Organism

Proper Citation

RRID:RGD_2305977

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=2305977>

Proper Citation: RRID:RGD_2305977

Description: Rattus norvegicus with name ACI.F344-(D16Rat12-D16Mco2)/Nkg from RGD.

Species: Rattus norvegicus

Notes: F344 rats are susceptible and ACI rats are resistant to PhIP (2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine)-induced ACF (aberrant crypt foci) formation (Nagao, 1998). This congenic strain was established using 'speed congenic' method by backcrossing (F344/JclxACI/NJcl)F1 onto ACI/NJcl, followed by intercrossing in N8 generation. Thereafter this strain is maintained by crossing homozygous individuals. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 2305977

Background: congenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo; Cryopreserved Sperm

Alternate IDs: 2305977

Organism Name: ACI.F344-(D16Rat12-D16Mco2)/Nkg

Record Creation Time: 20230509T191938+0000

Record Last Update: 20260905T135223+0000

Ratings and Alerts

No rating or validation information has been found for ACI.F344-(*D16Rat12-D16Mco2*)/Nkg.

No alerts have been found for ACI.F344-(*D16Rat12-D16Mco2*)/Nkg.

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.