

Resource Summary Report

Generated by [kravitz2](#) on Aug 1, 2026

F344-Atg16l1^{em8Rrrc}

RRID:RGD_149735570

Type: Organism

Proper Citation

RRID:RGD_149735570

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=149735570>

Proper Citation: RRID:RGD_149735570

Description: Rattus norvegicus with name F344-Atg16l1^{em8Rrrc} from RGD.

Species: Rattus norvegicus

Notes: CRISPR-Cas9-mediated knock-in of a single base pair polymorphism of guanine to alanine in exon 10, resulting in a threonine to alanine substitution at amino acid position 299 in the rat. Mimics the same nucleotide substitution for the threonine to alanine substitution at amino acid position 300 in humans (T300A), Homozygosity for this allele is embryonic lethal. RRRC

Catalog Number: 149735570

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals (as of 2021-07-23)

Alternate IDs: 149735570

Organism Name: F344-Atg16l1^{em8Rrrc}

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260725T194309+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Atg16l1*^{em8Rrrc}.

No alerts have been found for F344-*Atg16l1*^{em8Rrrc}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Chesney KL, et al. (2021) The *Atg16l1* gene: characterization of wild type, knock-in, and knock-out phenotypes in rats. *Physiological genomics*, 53(6), 269.