

# Resource Summary Report

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

## F344-Atg16l1<sup>em8Rrrc</sup>

RRID:RGD\_149735570

Type: Organism

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### Proper Citation

RRID:RGD\_149735570

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### 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<sup>em8Rrrc</sup> 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<sup>em8Rrrc</sup>

**Record Creation Time:** 20230509T191951+0000

**Record Last Update:** 20260905T135242+0000

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### Ratings and Alerts

No rating or validation information has been found for F344-*Atg16l1*<sup>em8Rrrc</sup>.

No alerts have been found for F344-*Atg16l1*<sup>em8Rrrc</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Rat Genome Database (RGD)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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.