

# Resource Summary Report

Generated by [dkNET](#) on Aug 4, 2026

## C57BL/6JSfdAnu-Muc2<sup>wnn</sup>/AnuApbMmucd

RRID:MMRRC\_036421-UCD

Type: Organism

### Proper Citation

RRID:MMRRC\_036421-UCD

### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=36421](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36421)

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**Description:** Mus musculus with name C57BL/6JSfdAnu-Muc2<sup>wnn</sup>/AnuApbMmucd from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: ; Mutation Type: chemically induced mutation ; Collection: NHMRC Australian PhenomeBank

**Phenotype:** decreased hematocrit [MP:0000208]| increased leukocyte cell number [MP:0000218]| abnormal intestine morphology [MP:0000477]| rectal prolapse [MP:0000493]| abnormal colon morphology [MP:0000495]| abnormal intestinal mucosa morphology [MP:0000511]| intestinal ulcer [MP:0000512]| increased circulating triglyceride level [MP:0001552]| abnormal digestive system physiology [MP:0001663]| abnormal intestinal absorption [MP:0001666]| premature death [MP:0002083]| colitis [MP:0002816]| melena [MP:0003292]| rectal hemorrhage [MP:0003293]| abnormal intestinal goblet cell morphology [MP:0003449]| abnormal large intestine crypts of Lieberkuhn morphology [MP:0004842]| increased lymphocyte cell number [MP:0005013]| diarrhea [MP:0005036]| increased susceptibility to induced colitis [MP:0008537]| increased tumor necrosis factor secretion [MP:0008560]| increased interferon-gamma secretion [MP:0008566]| increased interleukin-1 beta secretion [MP:0008657]| increased interleukin-13 secretion [MP:0008672]| abnormal enterocyte proliferation [MP:0008883]| increased enterocyte apoptosis [MP:0008885]| abnormal endoplasmic reticulum morphology [MP:0009378]| ileum inflammation [MP:0009482]| increased sensitivity to xenobiotic induced morbidity/mortality [MP:0009766]| abnormal intestine physiology [MP:0010155]| increased susceptibility to weight loss [MP:0010180]| dilated mitochondria [MP:0011632]| abnormal mitochondrial crista morphology [MP:0011635]| decreased colon length [MP:0013956]| increased endoplasmic reticulum stress [MP:0020354]

**Affected Gene:** Muc2

**Catalog Number:** 036421-UCD

**Background:** chemically induced mutation

**Database:** Mutant Mouse Resource and Research Center (MMRRC)

**Database Abbreviation:** MMRRC

**Alternate IDs:** MMRRC\_36421-UCD, MMRRC\_036421, MMRRC\_36421

**Organism Name:** C57BL/6JSfdAnu-*Muc2<sup>wnn</sup>*/AnuApbMmucd

**Record Creation Time:** 20230308T055145+0000

**Record Last Update:** 20260804T040834+0000

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## Ratings and Alerts

No rating or validation information has been found for C57BL/6JSfdAnu-*Muc2<sup>wnn</sup>*/AnuApbMmucd.

No alerts have been found for C57BL/6JSfdAnu-*Muc2<sup>wnn</sup>*/AnuApbMmucd.

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## Data and Source Information

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

**Source Database:** Mutant Mouse Resource and Research Center (MMRRC)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.