# Resource Summary Report

Generated by T1D on Sep 21, 2026

## B6(Cg)-Grn$^{tm1.1Aidi}$/J

RRID:IMSR_JAX:013175
Type: Organism

### Proper Citation

RRID:IMSR_JAX:013175

### Organism Information

**URL:** https://www.jax.org/strain/013175

**Proper Citation:** RRID:IMSR_JAX:013175

**Description:** Mus musculus with name B6(Cg)-Grn$^{tm1.1Aidi}$/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.Cg-Grn/J

**Notes:** gene symbol note: granulin; mutant strain|congenic strain: Grn

**Affected Gene:** granulin

**Genomic Alteration:** targeted mutation 1.1; Aihao Ding

**Catalog Number:** JAX:013175

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6(Cg)-Grn$^{tm1.1Aidi}$/J

**Record Creation Time:** 20250513T053724+0000

**Record Last Update:** 20260919T054912+0000

### Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Grn$^{tm1.1Aidi}$/J.

No alerts have been found for B6(Cg)-Grn$^{tm1.1Aidi}$/J.

## Data and Source Information

**Source:** Integrated Animals

**Source Database:** JAX Mice and Services

## Usage and Citation Metrics

We found 6 mentions in open access literature.

**Listed below are recent publications.** The full list is available at T1D .

Root J, et al. (2024) Granulins rescue inflammation, lysosome dysfunction, lipofuscin, and neuropathology in a mouse model of progranulin deficiency. Cell reports, 43(12), 114985.

Root J, et al. (2023) Granulins rescue inflammation, lysosome dysfunction, and neuropathology in a mouse model of progranulin deficiency. bioRxiv : the preprint server for biology.

Feng T, et al. (2023) AAV-GRN partially corrects motor deficits and ALS/FTLD-related pathology in Tmem106b-/-Grn-/- mice. iScience, 26(7), 107247.

Logan T, et al. (2021) Rescue of a lysosomal storage disorder caused by Grn loss of function with a brain penetrant progranulin biologic. Cell, 184(18), 4651.

Huang M, et al. (2020) Network analysis of the progranulin-deficient mouse brain proteome reveals pathogenic mechanisms shared in human frontotemporal dementia caused by GRN mutations. Acta neuropathologica communications, 8(1), 163.

Zhou X, et al. (2017) The interaction between progranulin and prosaposin is mediated by granulins and the linker region between saposin B and C. Journal of neurochemistry, 143(2), 236.