Resource Summary Report

Generated by RRID on Jul 29, 2026

C57BL/6N-Gba1$^{tm1.1Mjff}$/J

RRID:IMSR_JAX:019106
Type: Organism

Proper Citation

RRID:IMSR_JAX:019106

Organism Information

URL: https://www.jax.org/strain/019106

Proper Citation: RRID:IMSR_JAX:019106

Description: Mus musculus with name C57BL/6N-Gba1$^{tm1.1Mjff}$/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6N-Gba/J. C57BL/6N-Gba/J

Notes: gene symbol note: glucosylceramidase beta 1; coisogenic strain|mutant strain: Gba1

Affected Gene: glucosylceramidase beta 1

Genomic Alteration: targeted mutation 1.1; The Michael J Fox Foundation

Catalog Number: JAX:019106

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6N-Gba1$^{tm1.1Mjff}$/J

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260725T044448+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-Gba1$^{tm1.1Mjff}$/J.

No alerts have been found for C57BL/6N-Gba1$^{tm1.1Mjff}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Walton S, et al. (2024) Neither alpha-synuclein fibril strain nor host murine genotype influences seeding efficacy. NPJ Parkinson's disease, 10(1), 105.

Polinski NK, et al. (2022) The GBA1 D409V mutation exacerbates synuclein pathology to differing extents in two alpha-synuclein models. Disease models & mechanisms, 15(6).

Polinski NK, et al. (2021) Decreased glucocerebrosidase activity and substrate accumulation of glycosphingolipids in a novel GBA1 D409V knock-in mouse model. PloS one, 16(6), e0252325.

Henderson MX, et al. (2020) Glucocerebrosidase Activity Modulates Neuronal Susceptibility to Pathological ??-Synuclein Insult. Neuron, 105(5), 822.