

# Resource Summary Report

Generated by T1D on Sep 19, 2026

## B6.Cg-Gba1<sup>em1Mcook</sup>/J

RRID:IMSR\_JAX:036159

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:036159

### Organism Information

**URL:** <https://www.jax.org/strain/036159>

**Proper Citation:** RRID:IMSR\_JAX:036159

**Description:** Mus musculus with name B6.Cg-Gba1<sup>em1Mcook</sup>/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.Cg-Gba/J. B6J.Cg-Gba/J

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

**Affected Gene:** glucosylceramidase beta 1

**Genomic Alteration:** endonuclease-mediated mutation 1; Mark Cookson

**Catalog Number:** JAX:036159

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6.Cg-Gba1<sup>em1Mcook</sup>/J

**Record Creation Time:** 20250513T053852+0000

**Record Last Update:** 20260919T055035+0000

### Ratings and Alerts

No rating or validation information has been found for B6.Cg-Gba1<sup>em1Mcook</sup>/J.

No alerts have been found for B6.Cg-Gba1<sup>em1Mcook</sup>/J.

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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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 [T1D](#).

Davis OB, et al. (2025) A Common PD-Risk GBA1 Variant Disrupts LIMP2 Interaction, Impairs Glucocerebrosidase Function, and Drives Lysosomal and Mitochondrial Dysfunction. bioRxiv : the preprint server for biology.