

# Resource Summary Report

Generated by [Kravitz](#) on Sep 17, 2026

## B6;129S-Gcg<sup>tm1.1(icre)</sup>Gkg/J

RRID:IMSR\_JAX:030663

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:030663

### Organism Information

**URL:** <https://www.jax.org/strain/030663>

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**Description:** Mus musculus with name B6;129S-Gcg<sup>tm1.1(icre)</sup>Gkg/J from IMSR.

**Species:** Mus musculus

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

**Notes:** gene symbol note: glucagon|; mutant stock: Gcg|

**Affected Gene:** glucagon|

**Genomic Alteration:** targeted mutation 1.1; George K Gittes

**Catalog Number:** JAX:030663

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6;129S-Gcg<sup>tm1.1(icre)</sup>Gkg/J

**Record Creation Time:** 20250513T053816+0000

**Record Last Update:** 20260912T060553+0000

### Ratings and Alerts

- Used for humanized mouse by the Human Islet Research Network community.  
Contact(s): [Alejandro Tamayo-Garcia](#), [Alejandro Caicedo](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for B6;129S-Gcg<sup>tm1.1(icre)</sup>Gkg/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 5 mentions in open access literature.

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

Ren W, et al. (2024) Sympathetic nerve-enteroendocrine L cell communication modulates GLP-1 release, brain glucose utilization, and cognitive function. *Neuron*, 112(6), 972.

Tixi W, et al. (2023) Coordination between ECM and cell-cell adhesion regulates the development of islet aggregation, architecture, and functional maturation. *eLife*, 12.

Ly T, et al. (2023) Sequential appetite suppression by oral and visceral feedback to the brainstem. *Nature*, 624(7990), 130.

Zhang T, et al. (2022) An inter-organ neural circuit for appetite suppression. *Cell*, 185(14), 2478.

Lu B, et al. (2022) Alpha Cell Thioredoxin-interacting Protein Deletion Improves Diabetes-associated Hyperglycemia and Hyperglucagonemia. *Endocrinology*, 163(11).