

# Resource Summary Report

Generated by SPARC SAWG on Aug 10, 2026

## B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J

RRID:IMSR\_JAX:004178

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:004178

### Organism Information

**URL:** <https://www.jax.org/strain/004178>

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**Description:** Mus musculus with name B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.Cg-Tg(ACTB-Bgeo/GFP)21Lbe/J. B6.Cg-Tg(CAG-Bgeo/GFP)21Lbe/J

**Notes:** gene symbol note: fusion of beta-galactosidase and neomycin phosphotransferase genes|beta-galactosidase|actin; beta|transgene insertion 21; Corrinne Lobe|; mutant strain|congenic strain: Bgeo|lacZ|ACTB|Tg(CAG-Bgeo/GFP)21Lbe|

**Affected Gene:** fusion of beta-galactosidase and neomycin phosphotransferase genes|beta-galactosidase|actin; beta|transgene insertion 21; Corrinne Lobe|

**Genomic Alteration:** transgene insertion 21; Corrinne Lobe

**Catalog Number:** JAX:004178

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** embryo

**Organism Name:** B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J

**Record Creation Time:** 20250513T053643+0000

**Record Last Update:** 20260808T050845+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/J.

No alerts have been found for B6.129(Cg)-Tg(CAG-Bgeo/GFP)21Lbe/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 6 mentions in open access literature.

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

Laukoter S, et al. (2020) Cell-Type Specificity of Genomic Imprinting in Cerebral Cortex. Neuron, 107(6), 1160.

de Araujo TM, et al. (2019) The partial inhibition of hypothalamic IRX3 exacerbates obesity. EBioMedicine, 39, 448.

Santiago Gonzalez DA, et al. (2017) Conditional Deletion of the L-Type Calcium Channel Cav1.2 in NG2-Positive Cells Impairs Remyelination in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(42), 10038.

Cheli VT, et al. (2016) Conditional Deletion of the L-Type Calcium Channel Cav1.2 in Oligodendrocyte Progenitor Cells Affects Postnatal Myelination in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 36(42), 10853.

Ha S, et al. (2013) Somato-dendritic localization and signaling by leptin receptors in hypothalamic POMC and AgRP neurons. PloS one, 8(10), e77622.

Heffner CS, et al. (2012) Supporting conditional mouse mutagenesis with a comprehensive cre characterization resource. Nature communications, 3, 1218.