

Resource Summary Report

Generated by SPARC SAWG on Sep 1, 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>

Proper Citation: RRID:IMSR_JAX:004178

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

Affected Gene: actin; beta||beta-galactosidase|fusion of beta-galactosidase and neomycin phosphotransferase genes|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: 20260829T044933+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.

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 [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.