

Resource Summary Report

Generated by PRECISE-TBI on Aug 3, 2026

STOCK Tg(CAG-Bgeo/GFP)21Lbe/J

RRID:IMSR_JAX:003920

Type: Organism

Proper Citation

RRID:IMSR_JAX:003920

Organism Information

URL: <https://www.jax.org/strain/003920>

Proper Citation: RRID:IMSR_JAX:003920

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

Species: Mus musculus

Synonyms: STOCK Tg(ACTB-Bgeo/GFP)21Lbe/J

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

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

Genomic Alteration: transgene insertion 21; Corrinne Lobe

Catalog Number: JAX:003920

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: STOCK Tg(CAG-Bgeo/GFP)21Lbe/J

Record Creation Time: 20250513T053642+0000

Record Last Update: 20260801T050345+0000

Ratings and Alerts

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

No alerts have been found for STOCK 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 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#).

Masamsetti VP, et al. (2025) Lineage contribution of the mesendoderm progenitors in the gastrulating mouse embryo. *Developmental cell*, 60(14), 1991.

Sherafat A, et al. (2021) Microglial neuropilin-1 promotes oligodendrocyte expansion during development and remyelination by trans-activating platelet-derived growth factor receptor. *Nature communications*, 12(1), 2265.

Pang J, et al. (2021) NOTCH Signaling Controls Ciliary Body Morphogenesis and Secretion by Directly Regulating Nectin Protein Expression. *Cell reports*, 34(2), 108603.

Berg DJ, et al. (2019) Transcriptomic Signatures of Postnatal and Adult Intrinsically Photosensitive Ganglion Cells. *eNeuro*, 6(4).

Smith MA, et al. (2018) Calcium Channel CaV2.3 Subunits Regulate Hepatic Glucose Production by Modulating Leptin-Induced Excitation of Arcuate Pro-opiomelanocortin Neurons. *Cell reports*, 25(2), 278.

Ivashkina OI, et al. (2018) Cognitive Tagging of Neurons: CREMediated Genetic Labeling and Characterization of the Cells Involved in Learning and Memory. *Acta naturae*, 10(2), 37.

Dodd GT, et al. (2018) Insulin regulates POMC neuronal plasticity to control glucose metabolism. *eLife*, 7.

Koch SC, et al. (2017) ROR?? Spinal Interneurons Gate Sensory Transmission during Locomotion to Secure a Fluid Walking Gait. *Neuron*, 96(6), 1419.

Shibata S, et al. (2016) Hepatocyte Growth Factor-c-MET Signaling Mediates the Development of Nonsensory Structures of the Mammalian Cochlea and Hearing. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 36(31), 8200.

Sun GJ, et al. (2015) Latent tri-lineage potential of adult hippocampal neural stem cells revealed by Nf1 inactivation. *Nature neuroscience*, 18(12), 1722.

Jiang X, et al. (2013) The production of somatostatin interneurons in the olfactory bulb is regulated by the transcription factor sp8. PloS one, 8(7), e70049.