

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

CB6-Tg(Gad1-EGFP)G42Zjh/J

RRID:IMSR_JAX:007677

Type: Organism

Proper Citation

RRID:IMSR_JAX:007677

Organism Information

URL: <https://www.jax.org/strain/007677>

Proper Citation: RRID:IMSR_JAX:007677

Description: Mus musculus with name CB6-Tg(Gad1-EGFP)G42Zjh/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: [transgene insertion G42; Z Josh Huang|glutamate decarboxylase 1; mutant stock: [Tg(Gad1-EGFP)G42Zjh|Gad1

Affected Gene: [transgene insertion G42; Z Josh Huang|glutamate decarboxylase 1

Genomic Alteration: transgene insertion G42; Z Josh Huang

Catalog Number: JAX:007677

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: CB6-Tg(Gad1-EGFP)G42Zjh/J

Record Creation Time: 20250513T053703+0000

Record Last Update: 20260905T044447+0000

Ratings and Alerts

No rating or validation information has been found for CB6-Tg(Gad1-EGFP)G42Zjh/J.

No alerts have been found for CB6-Tg(Gad1-EGFP)G42Zjh/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 124 mentions in open access literature.

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

He C, et al. (2026) SMAD1-mediated induction of peripheral CRH after nerve injury promotes neuropathic pain by activating spinal CRHR2. *Science signaling*, 19(935), eaeb3953.

Gutman-Wei AY, et al. (2026) Cell-type-selective synaptogenesis during the development of layer 6 corticothalamic neuron connectivity in the mammalian neocortex. *Cell reports*, 45(1), 116792.

Falque M, et al. (2025) Tissue stiffness controls neuroblast migratory behavior and reprogramming during myelin repair. *iScience*, 28(9), 113255.

Kallo H, et al. (2025) Subtype- and Layer-Specific Developmental Gradients of Postnatal GABAergic Neurons in the Rodent Barrel Cortex. *Developmental neuroscience*, 1.

McCracken S, et al. (2025) Mistargeted retinal axons induce a synaptically independent subcircuit in the visual thalamus of albino mice. *eLife*, 13.

Chattopadhyaya B, et al. (2025) p75NTR modulation prevents cellular, cortical activity and cognitive dysfunctions caused by perinatal hypoxia. *Brain : a journal of neurology*, 148(8), 2965.

Masterson SP, et al. (2025) Cell-type specific binocular interactions in mouse visual thalamus. *iScience*, 28(7), 112956.

Moissidis M, et al. (2025) A postnatal molecular switch drives activity-dependent maturation of parvalbumin interneurons. *Cell*.

Wu J, et al. (2024) Disease-causing Slack potassium channel mutations produce opposite effects on excitability of excitatory and inhibitory neurons. *Cell reports*, 43(3), 113904.

Zheng J, et al. (2024) An insular cortical circuit required for itch sensation and aversion. *Current biology : CB*.

Gao Y, et al. (2024) BLA DBS improves anxiety and fear by correcting weakened synaptic transmission from BLA to adBNST and CeL in a mouse model of foot shock. *Cell reports*, 43(2), 113766.

Masterson SP, et al. (2024) Cell-type specific binocular interactions in mouse visual thalamus. *bioRxiv : the preprint server for biology*.

Xi K, et al. (2023) Reversal of hyperactive higher-order thalamus attenuates defensiveness in a mouse model of PTSD. *Science advances*, 9(5), eade5987.

Chen S, et al. (2023) Three-dimensional mapping in multi-samples with large-scale imaging and multiplexed post staining. *Communications biology*, 6(1), 148.

Yao L, et al. (2023) Electroacupuncture improves swallowing function in a post-stroke dysphagia mouse model by activating the motor cortex inputs to the nucleus tractus solitarius through the parabrachial nuclei. *Nature communications*, 14(1), 810.

Weinrich JA, et al. (2023) Paradoxical increases in anterior cingulate cortex activity during nitrous oxide-induced analgesia reveal a signature of pain affect. *bioRxiv : the preprint server for biology*.

Schroer J, et al. (2023) Activity-dependent regulation of the BAX/BCL-2 pathway protects cortical neurons from apoptotic death during early development. *Cellular and molecular life sciences : CMLS*, 80(6), 175.

Ding CY, et al. (2023) Genetic labeling reveals spatial and cellular expression pattern of neuregulin 1 in mouse brain. *Cell & bioscience*, 13(1), 79.

Ryner RF, et al. (2023) Cortical Parvalbumin-Positive Interneuron Development and Function Are Altered in the APC Conditional Knockout Mouse Model of Infantile and Epileptic Spasms Syndrome. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(8), 1422.

Wu J, et al. (2023) Disease-causing Slack potassium channel mutations produce opposite effects on excitability of excitatory and inhibitory neurons. *bioRxiv : the preprint server for biology*.