

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 15, 2024

B6.FVB-Tg(Slc32a1-cre)2.1Hzo/FrkJ

RRID:IMSR_JAX:017535

Type: Organism

Proper Citation

RRID:IMSR_JAX:017535

Organism Information

URL: <https://www.jax.org/strain/017535>

Proper Citation: RRID:IMSR_JAX:017535

Description: Mus musculus with name B6.FVB-Tg(Slc32a1-cre)2.1Hzo/FrkJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 2.1; Huda Y Zoghbi||solute carrier family 32 (GABA vesicular transporter); member 1|transgene insertion 2.1; Huda Y Zoghbi||solute carrier family 32 (GABA vesicular transporter); member 1; mutant strain: Tg(Slc32a1-cre)2.1Hzo||Slc32a1|Tg(Slc32a1-cre)2.1Hzo||Slc32a1

Affected Gene: transgene insertion 2.1; Huda Y Zoghbi||solute carrier family 32 (GABA vesicular transporter); member 1|transgene insertion 2.1; Huda Y Zoghbi||solute carrier family 32 (GABA vesicular transporter); member 1

Genomic Alteration: transgene insertion 2.1; Huda Y Zoghbi

Catalog Number: JAX:017535

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Organism Name: B6.FVB-Tg(Slc32a1-cre)2.1Hzo/FrkJ

Ratings and Alerts

No rating or validation information has been found for B6.FVB-Tg(Slc32a1-cre)2.1Hzo/FrkJ.

No alerts have been found for B6.FVB-Tg(Slc32a1-cre)2.1Hzo/FrkJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Li YD, et al. (2024) Anterior cingulate cortex projections to the dorsal medial striatum underlie insomnia associated with chronic pain. *Neuron*.

Tong Q, et al. (2023) D1 receptor-expressing neurons in ventral tegmental area alleviate mouse anxiety-like behaviors via glutamatergic projection to lateral septum. *Molecular psychiatry*, 28(2), 625.

Cui X, et al. (2023) A putative loop connection between VTA dopamine neurons and nucleus accumbens encodes positive valence to compensate for hunger. *Progress in neurobiology*, 229, 102503.

Hu Z, et al. (2022) A visual circuit related to the periaqueductal gray area for the antinociceptive effects of bright light treatment. *Neuron*, 110(10), 1712.

Chever O, et al. (2021) Initiation of migraine-related cortical spreading depolarization by hyperactivity of GABAergic neurons and NaV1.1 channels. *The Journal of clinical investigation*, 131(21).

Comeras LB, et al. (2021) NPY Released From GABA Neurons of the Dentate Gyrus Specially Reduces Contextual Fear Without Affecting Cued or Trace Fear. *Frontiers in synaptic neuroscience*, 13, 635726.

Lemaire L, et al. (2021) Modeling NaV1.1/SCN1A sodium channel mutations in a microcircuit with realistic ion concentration dynamics suggests differential GABAergic mechanisms leading to hyperexcitability in epilepsy and hemiplegic migraine. *PLoS computational biology*, 17(7), e1009239.

Odoj K, et al. (2021) In vivo mechanisms of cortical network dysfunction induced by systemic inflammation. *Brain, behavior, and immunity*, 96, 113.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver

Lines: Prevalence of Germline Recombination and Influencing Factors. *Neuron*, 106(1), 37.

Fomin-Thunemann N, et al. (2020) Unique Functional Properties of Mature Adult-Born Neurons in the Mouse Olfactory Bulb. *Stem cell reports*, 15(6), 1333.

Lavery LA, et al. (2020) Losing Dnmt3a dependent methylation in inhibitory neurons impairs neural function by a mechanism impacting Rett syndrome. *eLife*, 9.

Sammons RP, et al. (2019) Electrophysiological and Molecular Characterization of the Parasubiculum. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(45), 8860.

Zhang Z, et al. (2019) Superior Colliculus GABAergic Neurons Are Essential for Acute Dark Induction of Wakefulness in Mice. *Current biology : CB*, 29(4), 637.

Yeh SY, et al. (2017) Respiratory Network Stability and Modulatory Response to Substance P Require Nalcn. *Neuron*, 94(2), 294.