Resource Summary Report

Generated by RRID on Jul 30, 2026

B6.Cg-Tg(Syn1-cre)671Jxm/J

RRID:IMSR_JAX:003966
Type: Organism

Proper Citation

RRID:IMSR_JAX:003966

Organism Information

URL: https://www.jax.org/strain/003966

Proper Citation: RRID:IMSR_JAX:003966

Description: Mus musculus with name B6.Cg-Tg(Syn1-cre)671Jxm/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Syn1-Cre)671Jxm

Notes: gene symbol note: |transgene insertion 671; Jamey Marth|synapsin I; mutant strain|congenic strain: |Tg(Syn1-cre)671Jxm|Syn1

Affected Gene: |transgene insertion 671; Jamey Marth|synapsin I

Genomic Alteration: transgene insertion 671; Jamey Marth

Catalog Number: JAX:003966

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Syn1-cre)671Jxm/J

Record Creation Time: 20250513T053642+0000

Record Last Update: 20260725T044351+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Syn1-cre)671Jxm/J.

No alerts have been found for B6.Cg-Tg(Syn1-cre)671Jxm/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 49 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Sher D, et al. (2025) Cell-of-origin-specific behavioral deficits in oligodendrocyte-derived glioblastoma. Cell reports, 44(8), 116043.

Zengeler KE, et al. (2025) Inflammasome signaling in astrocytes modulates hippocampal plasticity. Immunity, 58(6), 1519.

Kaulich E, et al. (2025) An integrated transcriptomic and proteomic map of the mouse hippocampus at synaptic resolution. Nature communications, 16(1), 7942.

Wu Z, et al. (2025) The p75 neurotrophin receptor controls the skeletal stem cell niche through sensory innervation. Developmental cell.

Sun Z, et al. (2025) Intestinal-region-specific functions of AHR in intrinsic enteric neurons during infections. Cell reports, 44(4), 115524.

Dai W, et al. (2025) A neuronal Slit1-dependent program rescues oligodendrocyte differentiation and myelination under chronic hypoxic conditions. Cell reports, 44(4), 115467.

McKinsey GL, et al. (2025) Radial glia integrin avb8 regulates cell autonomous microglial TGF?1 signaling that is necessary for microglial identity. Nature communications, 16(1), 2840.

Estevez I, et al. (2025) The kinase RIPK3 promotes neuronal survival by suppressing excitatory neurotransmission during central nervous system viral infection. Immunity, 58(3), 666.

Zhang L, et al. (2025) Deficiency of neuronal LGR4 increases energy expenditure and inhibits food intake via hypothalamic leptin signaling. EMBO reports, 26(8), 2098.

Scott-Hewitt N, et al. (2024) Microglial-derived C1q integrates into neuronal ribonucleoprotein complexes and impacts protein homeostasis in the aging brain. Cell, 187(16), 4193.

Escoubas CC, et al. (2024) Type-I-interferon-responsive microglia shape cortical development and behavior. Cell.

Koutsodendris N, et al. (2023) Neuronal APOE4 removal protects against tau-mediated gliosis, neurodegeneration and myelin deficits. Nature aging, 3(3), 275.

Aceves M, et al. (2023) Developmental stage of transplanted neural progenitor cells influences anatomical and functional outcomes after spinal cord injury in mice. Communications biology, 6(1), 544.

Barron JJ, et al. (2023) Group 2 innate lymphoid cells promote inhibitory synapse development and social behavior. bioRxiv : the preprint server for biology.

van Oostrum M, et al. (2023) The proteomic landscape of synaptic diversity across brain regions and cell types. Cell, 186(24), 5411.

McKinsey GL, et al. (2023) Radial glia promote microglial development through integrin ?V ?8 -TGF?1 signaling. bioRxiv : the preprint server for biology.

Paton KM, et al. (2022) Comparative analysis of potential broad-spectrum neuronal Cre drivers. Wellcome open research, 7, 185.

Clarkson BDS, et al. (2022) ISGylation is induced in neurons by demyelination driving ISG15-dependent microglial activation. Journal of neuroinflammation, 19(1), 258.

Luo N, et al. (2022) A neuronal action of sirtuin 1 suppresses bone mass in young and aging mice. The Journal of clinical investigation, 132(23).

O'Leary A, et al. (2022) Behavioural and functional evidence revealing the role of RBFOX1 variation in multiple psychiatric disorders and traits. Molecular psychiatry, 27(11), 4464.