

Resource Summary Report

Generated by [dkNET](#) on Sep 23, 2026

B6.FVB(Cg)-Tg(Rbp4-cre)KL100Gsat/Mmucd

RRID:MMRRC_037128-UCD

Type: Organism

Proper Citation

RRID:MMRRC_037128-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37128

Proper Citation: RRID:MMRRC_037128-UCD

Description: Mus musculus with name B6.FVB(Cg)-Tg(Rbp4-cre)KL100Gsat/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

Affected Gene: Rbp4cre

Catalog Number: 037128-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_37128-UCD, MMRRC_037128, MMRRC_37128

Organism Name: B6.FVB(Cg)-Tg(Rbp4-cre)KL100Gsat/Mmucd

Record Creation Time: 20230308T055149+0000

Record Last Update: 20260919T133937+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB(Cg)-Tg(Rbp4-cre)KL100Gsat/Mmucd.

No alerts have been found for B6.FVB(Cg)-Tg(Rbp4-cre)KL100Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Kim H, et al. (2026) POINTseq: Cell-type-specific barcoding reveals single-cell projection architecture of the mouse dopaminergic system. *Neuron*.

Kim H, et al. (2026) Cell type-specific barcoding reveals the single-neuron projectional architecture of the mouse midbrain dopaminergic system. *bioRxiv* : the preprint server for biology.

Chen SY, et al. (2026) Activity-dependent development of vocal circuits in the neonatal rodent forebrain. *EMBO reports*, 27(13), 3632.

Gómez-Deza J, et al. (2026) ATF2 phosphorylation is a core transcriptional driver of neuron apoptosis. *Neuron*, 114(12), 2183.

Otani Y, et al. (2026) Restoration of axon initial segment plasticity via chemogenetic activation rescues autism-related behaviors. *Cell death & disease*, 17(1).

Zhao Y, et al. (2026) Multimodal imaging of gene expression, morphology, and activity of the same neuron. *Cell*, 189(15), 4792.

Dao N, et al. (2026) Paratenial thalamus engages in reciprocal and broadcast circuits with the prefrontal cortex. *bioRxiv* : the preprint server for biology.

Vaissiere T, et al. (2025) Syngap1 promotes cognitive function through regulation of cortical sensorimotor dynamics. *Nature communications*, 16(1), 812.

van Bruggen R, et al. (2025) Capicua Refines Mossy Fiber-CA3 Axon Targeting in the Late Postnatal Hippocampus. *FASEB journal* : official publication of the Federation of American Societies for Experimental Biology, 39(18), e71067.

Garcia MM, et al. (2025) Noncanonical Short-Latency Auditory Pathway Directly Activates Deep Cortical Layers. *bioRxiv* : the preprint server for biology.

Gómez-Deza J, et al. (2025) ATF2 phosphorylation is a core transcriptional driver of neuron apoptosis. *bioRxiv : the preprint server for biology*.

Alkaslasi MR, et al. (2025) The transcriptional response of cortical neurons to concussion reveals divergent fates after injury. *Nature communications*, 16(1), 1097.

Vargas-Ortiz J, et al. (2025) Translaminar synchronous neuronal activity is required for columnar synaptic strengthening in the mouse neocortex. *Nature communications*, 16(1), 1296.

Keith RE, et al. (2025) Perirhinal cortex abnormalities impair hippocampal plasticity and learning in *Scn2a*, *Fmr1*, and *Cdkl5* autism mouse models. *Science advances*, 11(10), eadt0780.

Garcia MM, et al. (2025) Noncanonical short-latency auditory pathway directly activates deep cortical layers. *Nature communications*, 16(1), 5911.

Haziza S, et al. (2025) Imaging high-frequency voltage dynamics in multiple neuron classes of behaving mammals. *Cell*, 188(16), 4401.

Jamann N, et al. (2025) Layer 5 myelination gates corticothalamic coincidence detection. *Nature communications*, 16(1), 10922.

Xiao S, et al. (2024) Probing multiplexed basal dendritic computations using two-photon 3D holographic uncaging. *Cell reports*, 43(7), 114413.

Potenza ML, et al. (2024) Generation of an enhancer-driven gene expression viral tool specific to dentate granule cell-types through direct hippocampal injection. *Frontiers in neuroscience*, 18, 1274174.

Adam CD, et al. (2024) Chemogenetic Breakdown of the Dentate Gate Causes Seizures and Spatial Memory Deficits. *bioRxiv : the preprint server for biology*.