

Resource Summary Report

Generated by [dkNET](#) on Sep 22, 2026

STOCK Tg(Chrna2-cre)OE25Gsat/Mmucd

RRID:MMRRC_036502-UCD

Type: Organism

Proper Citation

RRID:MMRRC_036502-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36502

Proper Citation: RRID:MMRRC_036502-UCD

Description: Mus musculus with name STOCK Tg(Chrna2-cre)OE25Gsat/Mmucd from MMRRC.

Species: Mus musculus

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

Affected Gene: Chrna2|cre|

Catalog Number: 036502-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_36502-UCD, MMRRC_036502, MMRRC_3652

Organism Name: STOCK Tg(Chrna2-cre)OE25Gsat/Mmucd

Record Creation Time: 20230308T055146+0000

Record Last Update: 20260919T133927+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Chrna2-cre)OE25Gsat/Mmucd.

No alerts have been found for STOCK Tg(Chrna2-cre)OE25Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Aldahabi M, et al. (2026) Selective, genetically induced increase in synaptic vesicle priming. *Science advances*, 12(15), eae6848.

Aldahabi M, et al. (2024) Different states of synaptic vesicle priming explain target cell type-dependent differences in neurotransmitter release. *Proceedings of the National Academy of Sciences of the United States of America*, 121(18), e2322550121.

Machold R, et al. (2024) Genetic approaches to elucidating cortical and hippocampal GABAergic interneuron diversity. *Frontiers in cellular neuroscience*, 18, 1414955.

Morgenstern NA, et al. (2022) Pyramidal tract neurons drive amplification of excitatory inputs to striatum through cholinergic interneurons. *Science advances*, 8(6), eab4315.

Su H, et al. (2022) Nicotine-mediated activation of $\alpha 2$ nAChR-expressing OLM cells in developing mouse brains disrupts OLM cell-mediated control of LTP in adolescence. *Neurobiology of learning and memory*, 194, 107674.

Aldahabi M, et al. (2022) Different priming states of synaptic vesicles underlie distinct release probabilities at hippocampal excitatory synapses. *Neuron*, 110(24), 4144.

Holderith N, et al. (2021) Selective Enrichment of Munc13-2 in Presynaptic Active Zones of Hippocampal Pyramidal Cells That Innervate mGluR1⁺ Expressing Interneurons. *Frontiers in synaptic neuroscience*, 13, 773209.

Lee BR, et al. (2021) Scaled, high fidelity electrophysiological, morphological, and transcriptomic cell characterization. *eLife*, 10.

Karlocai MR, et al. (2021) Variability in the Munc13-1 content of excitatory release sites. *eLife*, 10.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. *Cell*, 184(12), 3222.

Holderith N, et al. (2020) A High-Resolution Method for Quantitative Molecular Analysis of Functionally Characterized Individual Synapses. *Cell reports*, 32(4), 107968.

Gouwens NW, et al. (2020) Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. *Cell*, 183(4), 935.

Kerlin A, et al. (2019) Functional clustering of dendritic activity during decision-making. *eLife*, 8.