

Resource Summary Report

Generated by [dkNET](#) on Sep 9, 2026

STOCK Tg(Sim1-cre)KJ21Gsat/Mmucd

RRID:MMRRC_034614-UCD

Type: Organism

Proper Citation

RRID:MMRRC_034614-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34614

Proper Citation: RRID:MMRRC_034614-UCD

Description: Mus musculus with name STOCK Tg(Sim1-cre)KJ21Gsat/Mmucd from MMRRC.

Species: Mus musculus

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

Affected Gene: cre|Sim1|

Catalog Number: 034614-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_34614-UCD, MMRRC_034614, MMRRC_34614

Organism Name: STOCK Tg(Sim1-cre)KJ21Gsat/Mmucd

Record Creation Time: 20230308T055134+0000

Record Last Update: 20260905T110901+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Sim1-cre)KJ21Gsat/Mmucd.

No alerts have been found for STOCK Tg(Sim1-cre)KJ21Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Chatzi C, et al. (2026) Biased synaptic activation of dentate granule cells by exercise reflects inputs from the lateral entorhinal cortex. bioRxiv : the preprint server for biology.

Osanai H, et al. (2023) Extracting electromyographic signals from multi-channel LFPs using independent component analysis without direct muscular recording. Cell reports methods, 3(6), 100482.

Vandrey B, et al. (2022) Fan cells in lateral entorhinal cortex directly influence medial entorhinal cortex through synaptic connections in layer 1. eLife, 11.

Vandrey B, et al. (2020) Fan Cells in Layer 2 of the Lateral Entorhinal Cortex Are Critical for Episodic-like Memory. Current biology : CB, 30(1), 169.

S??rmeli G, et al. (2015) Molecularly Defined Circuitry Reveals Input-Output Segregation in Deep Layers of the Medial Entorhinal Cortex. Neuron, 88(5), 1040.