

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

C57BL/6N-Tg(Calcr1.cre)4688Nkza/J

RRID:IMSR_JAX:023014

Type: Organism

Proper Citation

RRID:IMSR_JAX:023014

Organism Information

URL: <https://www.jax.org/strain/023014>

Proper Citation: RRID:IMSR_JAX:023014

Description: Mus musculus with name C57BL/6N-Tg(Calcr1.cre)4688Nkza/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 4688; Kazu Nakazawa||calcitonin receptor-like; coisogenic strain|mutant strain: Tg(Calcr1;cre)4688Nkza||Calcr1

Affected Gene: transgene insertion 4688; Kazu Nakazawa||calcitonin receptor-like

Genomic Alteration: transgene insertion 4688; Kazu Nakazawa

Catalog Number: JAX:023014

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6N-Tg(Calcr1.cre)4688Nkza/J

Record Creation Time: 20250513T053747+0000

Record Last Update: 20260919T054933+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-Tg(Calcr1.cre)4688Nkza/J.

No alerts have been found for C57BL/6N-Tg(Calcr1.cre)4688Nkza/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Hung YC, et al. (2026) Hilar mossy cell oxytocin receptor signaling regulates adult hippocampal neurogenesis and context discrimination in mice. *Journal of biomedical science*, 33(1), 17.

Jeong M, et al. (2024) Maladaptation of dentate gyrus mossy cells mediates contextual discrimination deficit after traumatic stress. *Cell reports*, 43(4), 114000.

Hung YC, et al. (2023) Loss of oxytocin receptors in hilar mossy cells impairs social discrimination. *Neurobiology of disease*, 187, 106311.

Wang KY, et al. (2021) Elevation of hilar mossy cell activity suppresses hippocampal excitability and avoidance behavior. *Cell reports*, 36(11), 109702.