

# Resource Summary Report

Generated by [NIF](#) on Sep 5, 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:** 20260905T044527+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 [NIF](#) .

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.