

# Resource Summary Report

Generated by [dkNET](#) on Sep 21, 2026

## STOCK Tg(Grpr-EGFP)PZ62Gsat/Mmucd

RRID:MMRRC\_036178-UCD

Type: Organism

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### Proper Citation

RRID:MMRRC\_036178-UCD

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### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=36178](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36178)

**Proper Citation:** RRID:MMRRC\_036178-UCD

**Description:** Mus musculus with name STOCK Tg(Grpr-EGFP)PZ62Gsat/Mmucd from MMRRC.

**Species:** Mus musculus

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

**Affected Gene:** EGFP|Grpr|

**Catalog Number:** 036178-UCD

**Background:** Transgenic

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

**Database Abbreviation:** MMRRC

**Source References:** [PMID:14586460](#)

**Alternate IDs:** MMRRC\_36178-UCD, MMRRC\_036178, MMRRC\_36178

**Organism Name:** STOCK Tg(Grpr-EGFP)PZ62Gsat/Mmucd

**Record Creation Time:** 20230308T055144+0000

**Record Last Update:** 20260919T133922+0000

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### Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Grpr-EGFP)PZ62Gsat/Mmucd.

No alerts have been found for STOCK Tg(Grpr-EGFP)PZ62Gsat/Mmucd.

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## Data and Source Information

**Source:** [Integrated Animals](#)

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

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Aisenberg EE, et al. (2025) Gastrin-releasing peptide signaling in the nucleus accumbens medial shell regulates neuronal excitability and motivation. *Nature communications*, 16(1), 9314.

Koga K, et al. (2020) Sensitization of spinal itch transmission neurons in a mouse model of chronic itch requires an astrocytic factor. *The Journal of allergy and clinical immunology*, 145(1), 183.

Koga K, et al. (2020) Intrinsic braking role of descending locus coeruleus noradrenergic neurons in acute and chronic itch in mice. *Molecular brain*, 13(1), 144.

Bardoni R, et al. (2019) Pain Inhibits GRPR Neurons via GABAergic Signaling in the Spinal Cord. *Scientific reports*, 9(1), 15804.

Pagani M, et al. (2019) How Gastrin-Releasing Peptide Opens the Spinal Gate for Itch. *Neuron*, 103(1), 102.

Ralvenius WT, et al. (2018) Itch suppression in mice and dogs by modulation of spinal  $\gamma$ 2 and  $\gamma$ 3GABAA receptors. *Nature communications*, 9(1), 3230.

Barry DM, et al. (2016) Critical evaluation of the expression of gastrin-releasing peptide in dorsal root ganglia and spinal cord. *Molecular pain*, 12.