

Resource Summary Report

Generated by [dkNET](#) on Aug 18, 2026

B6.129-Grm5^{tm1.1Jixu/J}

RRID:IMSR_JAX:028626

Type: Organism

Proper Citation

RRID:IMSR_JAX:028626

Organism Information

URL: <https://www.jax.org/strain/028626>

Proper Citation: RRID:IMSR_JAX:028626

Description: Mus musculus with name B6.129-Grm5^{tm1.1Jixu/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: glutamate receptor; metabotropic 5; mutant strain|congenic strain: Grm5

Affected Gene: glutamate receptor; metabotropic 5

Genomic Alteration: targeted mutation 1.1; Jian Xu

Catalog Number: JAX:028626

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Grm5^{tm1.1Jixu/J}

Record Creation Time: 20250513T053805+0000

Record Last Update: 20260815T050718+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Grm5^{tm1.1Jixu/J}.

No alerts have been found for B6.129-Grm5^{tm1.1Jixu/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Marshall JJ, et al. (2026) Synaptic mechanisms modulate the spatiotemporal dynamics of striatal direct pathway neurons and motor output. *eLife*, 13.

Lao-Peregrin C, et al. (2024) Synaptic plasticity via receptor tyrosine kinase/G-protein-coupled receptor crosstalk. *Cell reports*, 43(1), 113595.

Kasten CR, et al. (2021) BNST specific mGlu5 receptor knockdown regulates sex-dependent expression of negative affect produced by adolescent ethanol exposure and adult stress. *Translational psychiatry*, 11(1), 178.

Kellner V, et al. (2021) Dual metabotropic glutamate receptor signaling enables coordination of astrocyte and neuron activity in developing sensory domains. *Neuron*, 109(16), 2545.

Tang ZQ, et al. (2018) Anatomy and Physiology of Metabotropic Glutamate Receptors in Mammalian and Avian Auditory System. *HSOA trends in anatomy and physiology*, 1.