

# Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 29, 2026

## B6.129-Grm4<sup>tm1Hpn</sup>/J

RRID:IMSR\_JAX:003619

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:003619

### Organism Information

**URL:** <https://www.jax.org/strain/003619>

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**Description:** Mus musculus with name B6.129-Grm4<sup>tm1Hpn</sup>/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.129-Gprc1d

**Notes:** gene symbol note: glutamate receptor; metabotropic 4; mutant strain|congenic strain: Grm4

**Affected Gene:** glutamate receptor; metabotropic 4

**Genomic Alteration:** targeted mutation 1; David R Hampson

**Catalog Number:** JAX:003619

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** embryo

**Organism Name:** B6.129-Grm4<sup>tm1Hpn</sup>/J

**Record Creation Time:** 20250513T053640+0000

**Record Last Update:** 20260725T044349+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129-Grm4<sup>tm1Hpn</sup>/J.

No alerts have been found for B6.129-Grm4<sup>tm1Hpn/J</sup>.

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Notartomaso S, et al. (2022) Analgesic Activity of Cinnabarinic Acid in Models of Inflammatory and Neuropathic Pain. *Frontiers in molecular neuroscience*, 15, 892870.

Bossi S, et al. (2018) A Light-Controlled Allosteric Modulator Unveils a Role for mGlu4 Receptors During Early Stages of Ischemia in the Rodent Cerebellar Cortex. *Frontiers in cellular neuroscience*, 12, 449.

Volpi C, et al. (2016) Allosteric modulation of metabotropic glutamate receptor 4 activates IDO1-dependent, immunoregulatory signaling in dendritic cells. *Neuropharmacology*, 102, 59.