

Resource Summary Report

Generated by [Kravitz](#) on Sep 18, 2026

B6N.129S1-Mrgprb4^{tm3(cre)}And/J

RRID:IMSR_JAX:021077

Type: Organism

Proper Citation

RRID:IMSR_JAX:021077

Organism Information

URL: <https://www.jax.org/strain/021077>

Proper Citation: RRID:IMSR_JAX:021077

Description: Mus musculus with name B6N.129S1-Mrgprb4^{tm3(cre)}And/J from IMSR.

Species: Mus musculus

Synonyms: B6N.129S1-Mrgprb4

Notes: gene symbol note: MAS-related GPR; member B4|; mutant strain|congenic strain: Mrgprb4|

Affected Gene: MAS-related GPR; member B4|

Genomic Alteration: targeted mutation 3; David J Anderson

Catalog Number: JAX:021077

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6N.129S1-Mrgprb4^{tm3(cre)}And/J

Record Creation Time: 20250513T053742+0000

Record Last Update: 20260912T060528+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129S1-Mrgprb4^{tm3(cre)}And/J.

No alerts have been found for B6N.129S1-Mrgprb4^{tm3(cre)}And/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Lezgiyeva K, et al. (2026) Fast-conducting mechanonociceptors uniquely engage reflexive and affective pain circuitry to drive protective responses. *Neuron*.

Lezgiyeva K, et al. (2025) Fast-conducting mechanonociceptors uniquely engage reflexive and affective pain circuitry to drive protective responses. *bioRxiv* : the preprint server for biology.

Qi L, et al. (2024) A mouse DRG genetic toolkit reveals morphological and physiological diversity of somatosensory neuron subtypes. *Cell*, 187(6), 1508.

Elias LJ, et al. (2023) Touch neurons underlying dopaminergic pleasurable touch and sexual receptivity. *Cell*, 186(3), 577.

Qi L, et al. (2023) A DRG genetic toolkit reveals molecular, morphological, and functional diversity of somatosensory neuron subtypes. *bioRxiv* : the preprint server for biology.

Xie Z, et al. (2022) A brain-to-spinal sensorimotor loop for repetitive self-grooming. *Neuron*, 110(5), 874.

Zhang Q, et al. (2019) Multiplexed peroxidase-based electron microscopy labeling enables simultaneous visualization of multiple cell types. *Nature neuroscience*, 22(5), 828.