

Resource Summary Report

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

B6.129P2-Trpm8^{tm1Jul/J}

RRID:IMSR_JAX:008198

Type: Organism

Proper Citation

RRID:IMSR_JAX:008198

Organism Information

URL: <https://www.jax.org/strain/008198>

Proper Citation: RRID:IMSR_JAX:008198

Description: Mus musculus with name B6.129P2-Trpm8^{tm1Jul/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: transient receptor potential cation channel; subfamily M; member 8; congenic strain: Trpm8

Affected Gene: transient receptor potential cation channel; subfamily M; member 8

Genomic Alteration: targeted mutation 1; David Julius

Catalog Number: JAX:008198

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Trpm8^{tm1Jul/J}

Record Creation Time: 20250513T053706+0000

Record Last Update: 20260725T044418+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Trpm8^{tm1Jul/J}.

No alerts have been found for B6.129P2-Trpm8^{tm1Jul/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Cicia D, et al. (2025) Dietary targeting of TRPM8 rewires macrophage immunometabolism reducing colitis severity. *Cell death & disease*, 16(1), 343.

Abd El Hay MY, et al. (2025) Diverging roles of TRPV1 and TRPM2 in warm-temperature detection. *eLife*, 13.

Kaplan HS, et al. (2025) Sensory input, sex and function shape hypothalamic cell type development. *Nature*.

Pagano E, et al. (2023) TRPM8 indicates poor prognosis in colorectal cancer patients and its pharmacological targeting reduces tumour growth in mice by inhibiting Wnt/ β -catenin signalling. *British journal of pharmacology*, 180(2), 235.

Lelis Carvalho A, et al. (2021) TRPM8 modulates temperature regulation in a sex-dependent manner without affecting cold-induced bone loss. *PloS one*, 16(6), e0231060.

Chan H, et al. (2018) TRPM8 and RAAS-mediated hypertension is critical for cold-induced immunosuppression in mice. *Oncotarget*, 9(16), 12781.

Clemmensen C, et al. (2018) Coordinated targeting of cold and nicotinic receptors synergistically improves obesity and type 2 diabetes. *Nature communications*, 9(1), 4304.

McCoy ES, et al. (2014) Enhanced behavioral responses to cold stimuli following CGRP⁺ sensory neuron ablation are dependent on TRPM8. *Molecular pain*, 10, 69.