

# Resource Summary Report

Generated by [kravitz2](#) on Aug 12, 2026

[Trpv1<sup>tm1Jul</sup>](#)/[Trpv1<sup>tm1Jul</sup>](#)

RRID:MGI:4417977

Type: Organism

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## Proper Citation

RRID:MGI:4417977

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## Organism Information

**URL:**

**Proper Citation:** RRID:MGI:4417977

**Description:** Allele Detail: Targeted This is a legacy resource.

**Species:** Mus musculus

**Notes:** Allele Detail: Targeted This is a legacy resource.

**Phenotype:** abnormal action potential, behavior/neurological phenotype, abnormal mechanical nociception, abnormal physiological response to xenobiotic, reduced long term depression, abnormal hair cycle, abnormal hair cycle catagen phase, abnormal hair cycle telogen phase, altered righting response, impaired behavioral response to alcohol, alcohol preference, impaired coordination, increased alcohol consumption, behavior/neurological phenotype, increased thermal nociceptive threshold, decreased left ventricle diastolic pressure, increased coronary flow rate, increased left ventricle developed pressure, altered response of heart to induced stress, decreased synaptic depression, abnormal nervous system electrophysiology, abnormal physiological response to xenobiotic, abnormal physiological response to xenobiotic, increased body weight, abnormal physiological response to xenobiotic, abnormal neuronal precursor proliferation, abnormal taste sensitivity, increased blood osmolality, impaired ability to fire action potentials, abnormal physiological response to xenobiotic

**Affected Gene:** Trpv1

**Genomic Alteration:** tm1Jul

**Catalog Number:** 4417977

**Background:** B6.129X1-Trpv1/J

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:15128844](#), [PMID:18341994](#), [PMID:16314376](#), [PMID:17347480](#), [PMID:15266010](#), [PMID:19244541](#), [PMID:15509739](#), [PMID:18249134](#), [PMID:16327782](#), [PMID:15121805](#), [PMID:19705551](#), [PMID:17553498](#), [PMID:16645591](#)

**Organism Name:** Trpv1<sup>tm1Jul</sup>/Trpv1<sup>tm1Jul</sup>

**Record Creation Time:** 20240120T190312+0000

**Record Last Update:** 20240130T201828+0000

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## Ratings and Alerts

No rating or validation information has been found for Trpv1<sup>tm1Jul</sup>/Trpv1<sup>tm1Jul</sup>.

No alerts have been found for Trpv1<sup>tm1Jul</sup>/Trpv1<sup>tm1Jul</sup>.

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## Data and Source Information

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

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Mali SS, et al. (2024) SARS-CoV-2 papain-like protease activates nociceptors to drive sneeze and pain. bioRxiv : the preprint server for biology.

Jia Q, et al. (2021) Transient Receptor Potential channels, TRPV1 and TRPA1 in melanocytes synergize UV-dependent and UV-independent melanogenesis. British journal of pharmacology, 178(23), 4646.

Zhang Y, et al. (2020) Acupuncture alleviates acid- and purine-induced pain in rodents. British journal of pharmacology, 177(1), 77.

Hill RZ, et al. (2018) S1PR3 Mediates Itch and Pain via Distinct TRP Channel-Dependent Pathways. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(36), 7833.