

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

[Trpa1^{tm1Kykw}/Trpa1^{tm1Kykw}](#)

RRID:MGI:3625358

Type: Organism

Proper Citation

RRID:MGI:3625358

Organism Information

URL:

Proper Citation: RRID:MGI:3625358

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

Species: Mus musculus

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

Phenotype: abnormal taste sensitivity, increased thermal nociceptive threshold, abnormal thermosensation, decreased threshold for auditory brainstem response, hyporesponsive to tactile stimuli

Affected Gene: Trpa1

Genomic Alteration: tm1Kykw

Catalog Number: 3625358

Background: involves: 129P2/OlaHsd * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16630838](#)

Organism Name: Trpa1^{tm1Kykw}/Trpa1^{tm1Kykw}

Record Creation Time: 20240120T190557+0000

Record Last Update: 20240130T202003+0000

Ratings and Alerts

No rating or validation information has been found for *Trpa1^{tm1Kyk}w/Trpa1^{tm1Kyk}w*.

No alerts have been found for *Trpa1^{tm1Kyk}w/Trpa1^{tm1Kyk}w*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Caba??ero D, et al. (2020) Protective role of neuronal and lymphoid cannabinoid CB2 receptors in neuropathic pain. *eLife*, 9.

Boiko N, et al. (2017) TrpA1 activation in peripheral sensory neurons underlies the ionic basis of pain hypersensitivity in response to vinca alkaloids. *PloS one*, 12(10), e0186888.

Huang CC, et al. (2016) A histamine-independent itch pathway is required for allergic ocular itch. *The Journal of allergy and clinical immunology*, 137(4), 1267.