

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 13, 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 [SPARC SAWG](#) .

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.