

Resource Summary Report

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B6;129S-Tac1^{tm1.1(cre)}Hze/J

RRID:IMSR_JAX:021877

Type: Organism

Proper Citation

RRID:IMSR_JAX:021877

Organism Information

URL: <https://www.jax.org/strain/021877>

Proper Citation: RRID:IMSR_JAX:021877

Description: Mus musculus with name B6;129S-Tac1^{tm1.1(cre)}Hze/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |tachykinin 1; mutant stock: |Tac1

Affected Gene: |tachykinin 1

Genomic Alteration: targeted mutation 1.1; Hongkui Zeng

Catalog Number: JAX:021877

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Organism Name: B6;129S-Tac1^{tm1.1(cre)}Hze/J

Ratings and Alerts

No rating or validation information has been found for B6;129S-Tac1^{tm1.1(cre)}Hze/J.

No alerts have been found for B6;129S-Tac1^{tm1.1(cre)}Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 28 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Rousseau JP, et al. (2023) Medullary tachykinin precursor 1 neurons promote rhythmic breathing. eLife, 12.

Li YT, et al. (2023) Functional cell types in the mouse superior colliculus. eLife, 12.

Chamberland S, et al. (2023) Functional specialization of hippocampal somatostatin-expressing interneurons. bioRxiv : the preprint server for biology.

Serra GP, et al. (2023) A role for the subthalamic nucleus in aversive learning. Cell reports, 42(11), 113328.

Shekhtmeyster P, et al. (2023) Multiplex translaminar imaging in the spinal cord of behaving mice. Nature communications, 14(1), 1427.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. Cell reports, 42(2), 112118.

Yang T, et al. (2023) Hypothalamic neurons that mirror aggression. Cell, 186(6), 1195.

Bayless DW, et al. (2023) A neural circuit for male sexual behavior and reward. Cell, 186(18), 3862.

Wu SJ, et al. (2023) Cortical somatostatin interneuron subtypes form cell-type-specific circuits. Neuron, 111(17), 2675.

Wei XP, et al. (2022) A novel reticular node in the brainstem synchronizes neonatal mouse crying with breathing. Neuron, 110(4), 644.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. Cell reports, 40(1), 111036.

Kim SH, et al. (2022) Mapping of the Sensory Innervation of the Mouse Lung by Specific Vagal and Dorsal Root Ganglion Neuronal Subsets. eNeuro, 9(2).

Xie Z, et al. (2022) The gut-to-brain axis for toxin-induced defensive responses. *Cell*, 185(23), 4298.

Sylwestrak EL, et al. (2022) Cell-type-specific population dynamics of diverse reward computations. *Cell*, 185(19), 3568.

Knoedler JR, et al. (2022) A functional cellular framework for sex and estrous cycle-dependent gene expression and behavior. *Cell*, 185(4), 654.

Feng C, et al. (2022) Cold-sensitive ventromedial hypothalamic neurons control homeostatic thermogenesis and social interaction-associated hyperthermia. *Cell metabolism*, 34(6), 888.

Hamnett R, et al. (2022) Regional cytoarchitecture of the adult and developing mouse enteric nervous system. *Current biology : CB*, 32(20), 4483.

Barik A, et al. (2021) A spinoparabrachial circuit defined by *Tacr1* expression drives pain. *eLife*, 10.

Reitz SL, et al. (2021) Activation of Preoptic Tachykinin 1 Neurons Promotes Wakefulness over Sleep and Volatile Anesthetic-Induced Unconsciousness. *Current biology : CB*, 31(2), 394.

Borgmann D, et al. (2021) Gut-brain communication by distinct sensory neurons differently controls feeding and glucose metabolism. *Cell metabolism*, 33(7), 1466.