

Resource Summary Report

Generated by [kravitz2](#) on Sep 20, 2026

B6;129S7-Tph2^{tm1Zfc}/J

RRID:IMSR_JAX:027590

Type: Organism

Proper Citation

RRID:IMSR_JAX:027590

Organism Information

URL: <https://www.jax.org/strain/027590>

Proper Citation: RRID:IMSR_JAX:027590

Description: Mus musculus with name B6;129S7-Tph2^{tm1Zfc}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S7-Tph2/J. B6.129S7-Tph2/J

Notes: gene symbol note: tryptophan hydroxylase 2; mutant strain: Tph2

Affected Gene: tryptophan hydroxylase 2

Genomic Alteration: targeted mutation 1; Zhou-Feng Chen

Catalog Number: JAX:027590

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S7-Tph2^{tm1Zfc}/J

Record Creation Time: 20250513T053801+0000

Record Last Update: 20260919T054945+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S7-Tph2^{tm1Zfc}/J.

No alerts have been found for B6;129S7-Tph2^{tm1Zfc}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Liu Y, et al. (2023) Molecular and cellular mechanisms of the first social relationship: A conserved role of 5-HT from mice to monkeys, upstream of oxytocin. *Neuron*, 111(9), 1468.

Kitt MM, et al. (2022) An adult-stage transcriptional program for survival of serotonergic connectivity. *Cell reports*, 39(3), 110711.

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

Donovan LJ, et al. (2019) Lmx1b is required at multiple stages to build expansive serotonergic axon architectures. *eLife*, 8.