

Resource Summary Report

Generated by [NIF](#) on Aug 8, 2026

B6.129S4-Trp53^{tm3.1Tyj/J}

RRID:IMSR_JAX:008182

Type: Organism

Proper Citation

RRID:IMSR_JAX:008182

Organism Information

URL: <https://www.jax.org/strain/008182>

Proper Citation: RRID:IMSR_JAX:008182

Description: Mus musculus with name B6.129S4-Trp53^{tm3.1Tyj/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: transformation related protein 53; congenic strain: Trp53

Affected Gene: transformation related protein 53

Genomic Alteration: targeted mutation 3.1; Tyler Jacks

Catalog Number: JAX:008182

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4-Trp53^{tm3.1Tyj/J}

Record Creation Time: 20250513T053706+0000

Record Last Update: 20260808T050911+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Trp53^{tm3.1Tyj/J}.

No alerts have been found for B6.129S4-Trp53^{tm3.1Tyj/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Panzeri I, et al. (2026) Chronic High-Fat Diet Does Not Alter Overall Cancer Incidence in Trp53R270H/+ Mice. Cancer research communications, 6(6), 1336.

Vinall R, et al. (2022) Use of RNA-Seq and a Transgenic Mouse Model to Identify Genes Which May Contribute to Mutant p53-Driven Prostate Cancer Initiation. Biology, 11(2).

Kadosh E, et al. (2020) The gut microbiome switches mutant p53 from tumour-suppressive to oncogenic. Nature, 586(7827), 133.