

Resource Summary Report

Generated by SPARC SAWG on Aug 10, 2026

tp53zdf1/+ (AB)

RRID:ZIRC_ZL1057

Type: Organism

Proper Citation

RRID:ZIRC_ZL1057

Organism Information

URL:

http://zebrafish.org/fish/lineAll.php?t=ZIRC_Catalog_ID&sverb=exactly+matching&c=ZL1057

Proper Citation: RRID:ZIRC_ZL1057

Description: Danio rerio with name from ZIRC.

Species: Danio rerio

Notes: Allele with one point mutation

Phenotype: alternative mRNA splicing, via spliceosome, angiogenesis, apoptotic process, developmental growth, double-strand break repair via homologous recombination, double-strand break repair via nonhomologous end joining, double-strand break repair via single-strand annealing, eye, female organism, fin, germ line cell, gill, gut, hatching, integument, intestine, jaw flap, liver, male organism, nucleate erythrocyte, oncogene-induced cell senescence, peripheral nervous system, peripheral neuron, posterior intestine, post-vent region, pronephric distal early tubule, pronephric proximal convoluted tubule, pronephric proximal straight tubule, somitogenesis, sperm, swimming behavior, thigmotaxis, trunk, vasculature, whole organism alternative mRNA splicing, via spliceosome (all 35)

Affected Gene: tp53zdf1/+ (AB)

Genomic Alteration: zdf1

Catalog Number: ZL1057

Background: AB

Database: Zebrafish Lines at ZIRC

Database Abbreviation: ZIRC

Availability: frozen

Organism Name: tp53zdf1/+ (AB)

Record Creation Time: 20230308T015231+0000

Record Last Update: 20260808T182127+0000

Ratings and Alerts

No rating or validation information has been found for tp53zdf1/+ (AB).

No alerts have been found for tp53zdf1/+ (AB).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Zebrafish Lines at ZIRC

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Silvius KM, et al. (2024) A Robust Closed-Tube Method for Resolving tp53M214K Genotypes. Zebrafish, 21(3), 250.

Watson S, et al. (2023) VGLL2-NCOA2 leverages developmental programs for pediatric sarcomagenesis. Cell reports, 42(1), 112013.

Angileri KM, et al. (2020) dnmt1 function is required to maintain retinal stem cells within the ciliary marginal zone of the zebrafish eye. Scientific reports, 10(1), 11293.

El Maï M, et al. (2020) Opposing p53 and mTOR/AKT promote an in vivo switch from apoptosis to senescence upon telomere shortening in zebrafish. eLife, 9.

Kendall GC, et al. (2018) PAX3-FOXO1 transgenic zebrafish models identify HES3 as a mediator of rhabdomyosarcoma tumorigenesis. eLife, 7.

Kendall GC, et al. (2016) Zebrafish as a Model for the Study of Solid Malignancies. Methods in molecular biology (Clifton, N.J.), 1451, 121.