

# Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

## smad5tc227a/+ (AB)

RRID:ZIRC\_ZL1050

Type: Organism

### Proper Citation

RRID:ZIRC\_ZL1050

### Organism Information

**URL:**

[http://zebrafish.org/fish/lineAll.php?t=ZIRC\\_Catalog\\_ID&sverb=exactly+matching&c=ZL1050](http://zebrafish.org/fish/lineAll.php?t=ZIRC_Catalog_ID&sverb=exactly+matching&c=ZL1050)

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**Description:** Danio rerio with name from ZIRC.

**Species:** Danio rerio

**Notes:** Allele with one point mutation

**Phenotype:** anal fin, blood circulation, caudal fin, caudal vein, caudal vein plexus, ceratohyal cartilage, cloacal chamber, dorsal/ventral pattern formation, ectodermal cell fate commitment, embryonic retina morphogenesis in camera-type eye, embryonic viscerocranium morphogenesis, epiphysis, erythroid lineage cell, ethmoid cartilage, fin, floor plate, heart looping, hindbrain, interneuron, locus ceruleus development, Meckel's cartilage, median fin fold, monocyte, mouth, notochord, nucleate erythrocyte, otic placode, paraxial mesoderm, pharyngeal arch, pharyngeal arch 2, pharyngeal arch 3-7 skeleton, pharyngeal arch 6, pharyngeal arch 7, pharyngeal arch cartilage, pharyngeal pouch 2, post-anal tail morphogenesis, posterior lateral line neuromast, post-vent region, pronephric duct, pronephros, retina, rhombomere 3, rhombomere 5, Rohon-Beard neuron, roof of mouth development, somite, splanchnocranium, surface structure, tail bud, thoracic duct, trabecula cranii, trigeminal sensory neuron, trunk, trunk neural crest cell, ventral fin fold, whole organism anal fin, blood circulation (all 56)

**Affected Gene:** smad5tc227a/+ (AB)

**Genomic Alteration:** tc227a

**Catalog Number:** ZL1050

**Background:** AB

**Database:** Zebrafish Lines at ZIRC

**Database Abbreviation:** ZIRC

**Availability:** frozen

**Organism Name:** smad5tc227a/+ (AB)

**Record Creation Time:** 20230308T015626+0000

**Record Last Update:** 20260725T183411+0000

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## Ratings and Alerts

No rating or validation information has been found for smad5tc227a/+ (AB).

No alerts have been found for smad5tc227a/+ (AB).

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Zebrafish Lines at ZIRC

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.