

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

[Setd5^{tm1a\(EUCOMM\)Wtsi/Setd5⁺}](#)

RRID:MGI:5706088

Type: Organism

Proper Citation

RRID:MGI:5706088

Organism Information

URL:

Proper Citation: RRID:MGI:5706088

Description: Allele Detail: Targeted This is a legacy resource.

Species: *Mus musculus*

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: abnormal ductus venosus valve topology, increased CD4-positive, CD25-positive, alpha-beta regulatory T cell number, double outlet right ventricle, enlarged orbital veins, abnormal tooth morphology, right aortic arch, abnormal coat/hair pigmentation, decreased grip strength, abnormal optic stalk morphology, abnormal optic cup morphology, ductus venosus stenosis, abnormal hepatic portal vein connection, dilated hepatic portal vein, blood in lymph vessels, increased Ly6C low monocyte number, subcutaneous edema, abnormal superior vena cava morphology, symmetric azygos veins, small thyroid gland, enlarged liver sinusoidal spaces, persistent truncus arteriosus, abnormal hindbrain morphology, abnormal snout morphology, enlarged paraumbilical vein, enlarged lymphatic vessel, anastomosis between internal carotid artery and basilar artery, abnormal cervical rib, abnormal coronary sinus morphology, dual inferior vena cava, absent brachiocephalic trunk, double inlet heart left ventricle, abnormal olfactory bulb morphology, small superior cervical ganglion, absent pinna reflex, abnormal hypoglossal nerve topology, muscular ventricular septal defect, small thymus, intraembryonal intestine elongation, small kidney, abnormal thymus morphology, abnormal forebrain morphology, absent pectinate muscle, bicuspid aortic valve, absent segment of posterior cerebral artery, persistent right dorsal aorta, perimembraneous ventricular septal defect, abnormal maxilla morphology, abnormal pineal gland morphology, abnormal vertebral artery topology, decreased circulating glucose level, atrial septal defect, abnormal vitelline vein connection, abnormal cranium morphology, fetal growth retardation, fusion of vertebral arches, vertebral fusion, abnormal vitelline vein topology, abnormal eye muscle morphology, abnormal ductus venosus topology, absent ductus venosus valve, reduced

sympathetic cervical ganglion size, abnormal aortic valve cusp morphology

Affected Gene: Setd5

Genomic Alteration: tm1a(EUCOMM)Wtsi

Catalog Number: 5706088

Background: C57BL/6N-Setd5/Wtsi

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Organism Name: Setd5^{tm1a(EUCOMM)Wtsi}/Setd5⁺

Record Creation Time: 20240120T185926+0000

Record Last Update: 20240130T201616+0000

Ratings and Alerts

No rating or validation information has been found for Setd5^{tm1a(EUCOMM)Wtsi}/Setd5⁺.

No alerts have been found for Setd5^{tm1a(EUCOMM)Wtsi}/Setd5⁺.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Sessa A, et al. (2019) SETD5 Regulates Chromatin Methylation State and Preserves Global Transcriptional Fidelity during Brain Development and Neuronal Wiring. Neuron, 104(2), 271.