

Resource Summary Report

Generated by SPARC SAWG on Aug 10, 2026

B6.129P2-Adamts5^{tm1Dgen}/J

RRID:IMSR_JAX:005771

Type: Organism

Proper Citation

RRID:IMSR_JAX:005771

Organism Information

URL: <https://www.jax.org/strain/005771>

Proper Citation: RRID:IMSR_JAX:005771

Description: Mus musculus with name B6.129P2-Adamts5^{tm1Dgen}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: ADAM metallopeptidase with thrombospondin type 1 motif 5|beta-galactosidase; mutant strain|congenic strain: Adamts5|lacZ

Affected Gene: ADAM metallopeptidase with thrombospondin type 1 motif 5|beta-galactosidase

Genomic Alteration: targeted mutation 1; Deltagen

Catalog Number: JAX:005771

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.129P2-Adamts5^{tm1Dgen}/J

Record Creation Time: 20250513T053652+0000

Record Last Update: 20260808T050854+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Adamts5^{tm1Dgen}/J.

No alerts have been found for B6.129P2-Adamts5^{tm1Dgen}/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 [SPARC SAWG](#) .

Barallobre-Barreiro J, et al. (2021) Extracellular Matrix in Heart Failure: Role of ADAMTS5 in Proteoglycan Remodeling. Circulation, 144(25), 2021.

Fava M, et al. (2018) Role of ADAMTS-5 in Aortic Dilatation and Extracellular Matrix Remodeling. Arteriosclerosis, thrombosis, and vascular biology, 38(7), 1537.

McMahon M, et al. (2016) ADAMTS5 Is a Critical Regulator of Virus-Specific T Cell Immunity. PLoS biology, 14(11), e1002580.

Demircan K, et al. (2014) ADAMTS4 and ADAMTS5 knockout mice are protected from versican but not aggrecan or brevican proteolysis during spinal cord injury. BioMed research international, 2014, 693746.