

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

C57BL/6N-Adamts7^{tm1a(KOMP)}Wtsi/MbpMmucd

RRID:MMRRC_046487-UCD

Type: Organism

Proper Citation

RRID:MMRRC_046487-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=46487

Proper Citation: RRID:MMRRC_046487-UCD

Description: Mus musculus with name C57BL/6N-Adamts7^{tm1a(KOMP)}Wtsi/MbpMmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

Phenotype: abnormal triglyceride level [MP:0000187]| decreased anxiety-related response [MP:0001364]| impaired coordination [MP:0001405]| abnormal erythrocyte cell number [MP:0001586]| abnormal vital capacity [MP:0002309]| abnormal respiratory function [MP:0002327]| abnormal vascular endothelial cell migration [MP:0003544]| decreased hepatocyte proliferation [MP:0004001]| abnormal vascular wound healing [MP:0004883]| abnormal response to injury [MP:0005164]| increased oxygen consumption [MP:0005289]| increased tidal volume [MP:0005585]| abnormal oval cell physiology [MP:0010042]| decreased lung compliance [MP:0010896]| decreased airway resistance [MP:0010936]| increased total lung capacity [MP:0010937]| increased collagen level [MP:0020253]| decreased vascular endothelial cell proliferation [MP:0020316]

Affected Gene: Adamts7

Catalog Number: 046487-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_46487-UCD, MMRRC_046487, MMRRC_46487

Organism Name: C57BL/6N-*Adamts7tm1a(KOMP)Wtsi*/MbpMmucd

Record Creation Time: 20230308T055243+0000

Record Last Update: 20260808T124332+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-*Adamts7tm1a(KOMP)Wtsi*/MbpMmucd.

No alerts have been found for C57BL/6N-*Adamts7tm1a(KOMP)Wtsi*/MbpMmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Chung A, et al. (2026) ADAMTS7 promotes smooth muscle foam cell expansion in atherosclerosis. The Journal of clinical investigation, 136(6).