

Resource Summary Report

Generated by [NIF](#) on Aug 17, 2026

B6;129S7-Wnt5a^{tm1Amc}/J

RRID:IMSR_JAX:004758

Type: Organism

Proper Citation

RRID:IMSR_JAX:004758

Organism Information

URL: <https://www.jax.org/strain/004758>

Proper Citation: RRID:IMSR_JAX:004758

Description: Mus musculus with name B6;129S7-Wnt5a^{tm1Amc}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: wingless-type MMTV integration site family; member 5A;
mutant stock: Wnt5a

Affected Gene: wingless-type MMTV integration site family; member 5A

Genomic Alteration: targeted mutation 1; Andrew P McMahon

Catalog Number: JAX:004758

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6;129S7-Wnt5a^{tm1Amc}/J

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260815T050555+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S7-Wnt5a^{tm1Amc}/J.

No alerts have been found for B6;129S7-Wnt5a^{tm1Amc}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Maity S, et al. (2022) Wnt5A Signaling Blocks Progression of Experimental Visceral Leishmaniasis. *Frontiers in immunology*, 13, 818266.

Sengupta S, et al. (2022) Wnt5A Signaling Regulates Gut Bacterial Survival and T Cell Homeostasis. *mSphere*, 7(6), e0050722.

Wang S, et al. (2018) Radial WNT5A-Guided Post-mitotic Filopodial Pathfinding Is Critical for Midgut Tube Elongation. *Developmental cell*, 46(2), 173.

McGreevy EM, et al. (2015) Shroom3 functions downstream of planar cell polarity to regulate myosin II distribution and cellular organization during neural tube closure. *Biology open*, 4(2), 186.

Blakely BD, et al. (2011) Wnt5a regulates midbrain dopaminergic axon growth and guidance. *PloS one*, 6(3), e18373.