

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

B6.Cg-Tg(PDGFB-APP)5Lms/J

RRID:IMSR_JAX:004662

Type: Organism

Proper Citation

RRID:IMSR_JAX:004662

Organism Information

URL: <https://www.jax.org/strain/004662>

Proper Citation: RRID:IMSR_JAX:004662

Description: Mus musculus with name B6.Cg-Tg(PDGFB-APP)5Lms/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: amyloid beta precursor protein|platelet derived growth factor subunit B|transgene insertion 5; Lennart Mucke; mutant strain|congenic strain: APP|PDGFB|Tg(PDGFB-APP)5Lms

Affected Gene: amyloid beta precursor protein|platelet derived growth factor subunit B|transgene insertion 5; Lennart Mucke

Genomic Alteration: transgene insertion 5; Lennart Mucke

Catalog Number: JAX:004662

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(PDGFB-APP)5Lms/J

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260905T044427+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(PDGFB-APP)5Lms/J.

No alerts have been found for B6.Cg-Tg(PDGFB-APP)5Lms/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Wu Z, et al. (2020) Delta-secretase triggers Alzheimer's disease pathologies in wild-type hAPP/hMAPT double transgenic mice. *Cell death & disease*, 11(12), 1058.

Habib A, et al. (2018) Human Cord Blood Serum-Derived APP γ -Secretase Cleavage Activity is Mediated by C1 Complement. *Cell transplantation*, 27(4), 666.

Poksay KS, et al. (2017) Screening for Small Molecule Inhibitors of Statin-Induced APP C-terminal Toxic Fragment Production. *Frontiers in pharmacology*, 8, 46.

Savas JN, et al. (2017) Amyloid Accumulation Drives Proteome-wide Alterations in Mouse Models of Alzheimer's Disease-like Pathology. *Cell reports*, 21(9), 2614.

Whitehouse IJ, et al. (2016) Ablation of Prion Protein in Wild Type Human Amyloid Precursor Protein (APP) Transgenic Mice Does Not Alter The Proteolysis of APP, Levels of Amyloid- β or Pathologic Phenotype. *PloS one*, 11(7), e0159119.

Pan H, et al. (2016) Amyloid β Is Not the Major Factor Accounting for Impaired Adult Hippocampal Neurogenesis in Mice Overexpressing Amyloid Precursor Protein. *Stem cell reports*, 7(4), 707.

Li S, et al. (2014) Specific antibody binding to the APP672-699 region shifts APP processing from β - to γ -cleavage. *Cell death & disease*, 5(8), e1374.