

Resource Summary Report

Generated by T1D on Sep 20, 2026

B6.129P2-Uts2^{tm1Ags} Apoe/J

RRID:IMSR_JAX:026016

Type: Organism

Proper Citation

RRID:IMSR_JAX:026016

Organism Information

URL: <https://www.jax.org/strain/026016>

Proper Citation: RRID:IMSR_JAX:026016

Description: Mus musculus with name B6.129P2-Uts2^{tm1Ags} Apoe/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: urotensin 2|apolipoprotein E; mutant strain|congenic strain: Uts2|Apoe

Affected Gene: urotensin 2|apolipoprotein E

Genomic Alteration: targeted mutation 1; Adel Giaid Schwertani|targeted mutation 1; University of North Carolina

Catalog Number: JAX:026016

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129P2-Uts2^{tm1Ags} Apoe/J

Record Creation Time: 20250513T053756+0000

Record Last Update: 20260919T054941+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Uts2^{tm1Ags} Apoe/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human coronary artery disease.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Huang WP, et al. (2022) Fibroblast growth factor 21 reverses high-fat diet-induced impairment of vascular function via the anti-oxidative pathway in ApoE knockout mice. *Journal of cellular and molecular medicine*, 26(8), 2451.

White Z, et al. (2022) Cholesterol absorption blocker ezetimibe prevents muscle wasting in severe dysferlin-deficient and mdx mice. *Journal of cachexia, sarcopenia and muscle*, 13(1), 544.

Demina EP, et al. (2021) Neuraminidases 1 and 3 Trigger Atherosclerosis by Desialylating Low-Density Lipoproteins and Increasing Their Uptake by Macrophages. *Journal of the American Heart Association*, 10(4), e018756.

Bi X, et al. (2021) Mitochondrial Damage-Induced Innate Immune Activation in Vascular Smooth Muscle Cells Promotes Chronic Kidney Disease-Associated Plaque Vulnerability. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 8(5), 2002738.

Adelsperger AR, et al. (2018) Development and growth trends in angiotensin II-induced murine dissecting abdominal aortic aneurysms. *Physiological reports*, 6(8), e13668.

Vendrov AE, et al. (2017) Attenuated Superoxide Dismutase 2 Activity Induces Atherosclerotic Plaque Instability During Aging in Hyperlipidemic Mice. *Journal of the American Heart Association*, 6(11).

Boels MG, et al. (2017) Direct Observation of Enhanced Nitric Oxide in a Murine Model of Diabetic Nephropathy. *PloS one*, 12(1), e0170065.

Heidt T, et al. (2014) Chronic variable stress activates hematopoietic stem cells. *Nature medicine*, 20(7), 754.

Phinikaridou A, et al. (2013) Noninvasive MRI monitoring of the effect of interventions on endothelial permeability in murine atherosclerosis using an albumin-binding contrast agent. *Journal of the American Heart Association*, 2(5), e000402.