Resource Summary Report

Generated by NIF on Sep 6, 2026

B6.129S6-Tagln$^{tm2(cre)Yec}$/J

RRID:IMSR_JAX:006878
Type: Organism

Proper Citation

RRID:IMSR_JAX:006878

Organism Information

URL: https://www.jax.org/strain/006878

Proper Citation: RRID:IMSR_JAX:006878

Description: Mus musculus with name B6.129S6-Tagln$^{tm2(cre)Yec}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |transgelin; mutant strain|congenic strain: |Tagln

Affected Gene: |transgelin

Genomic Alteration: targeted mutation 2; Yuqing E Chen

Catalog Number: JAX:006878

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S6-Tagln$^{tm2(cre)Yec}$/J

Record Creation Time: 20250513T053659+0000

Record Last Update: 20260905T044443+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6-Tagln$^{tm2(cre)Yec}$/J.

No alerts have been found for B6.129S6-Tagln$^{tm2(cre)Yec}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Wu X, et al. (2023) Regulating the cell shift of endothelial cell-like myofibroblasts in pulmonary fibrosis. The European respiratory journal, 61(6).

Xu X, et al. (2023) SM22? Deletion Contributes to Neurocognitive Impairment in Mice through Modulating Vascular Smooth Muscle Cell Phenotypes. International journal of molecular sciences, 24(8).

Huang J, et al. (2023) Adipocyte Subpopulations Mediate Growth Hormone-induced Lipolysis and Glucose Tolerance in Male Mice. Endocrinology, 164(11).

Wu J, et al. (2022) Deletion of SM22? disrupts the structure and function of caveolae and T-tubules in cardiomyocytes, contributing to heart failure. PloS one, 17(7), e0271578.

Golshiri K, et al. (2021) The Effects of Acute and Chronic Selective Phosphodiesterase 1 Inhibition on Smooth Muscle Cell-Associated Aging Features. Frontiers in pharmacology, 12, 818355.

Sparks MA, et al. (2021) Direct Actions of AT1 (Type 1 Angiotensin) Receptors in Cardiomyocytes Do Not Contribute to Cardiac Hypertrophy. Hypertension (Dallas, Tex. : 1979), 77(2), 393.

Lv P, et al. (2021) SM22? Loss Contributes to Apoptosis of Vascular Smooth Muscle Cells via Macrophage-Derived circRasGEF1B. Oxidative medicine and cellular longevity, 2021, 5564884.

Ataei Ataabadi E, et al. (2021) Vascular Ageing Features Caused by Selective DNA Damage in Smooth Muscle Cell. Oxidative medicine and cellular longevity, 2021, 2308317.

Gao Y, et al. (2020) Smooth muscle 22? deficiency impairs oxytocin-induced uterine contractility in mice at full-term pregnancy. Biochemical and biophysical research communications, 529(4), 884.

Vendrov AE, et al. (2019) NOXA1-dependent NADPH oxidase regulates redox signaling and phenotype of vascular smooth muscle cell during atherogenesis. Redox biology, 21, 101063.

Fry JL, et al. (2015) Vascular Smooth Muscle Sirtuin-1 Protects Against Aortic Dissection During Angiotensin II-Induced Hypertension. Journal of the American Heart Association,

4(9), e002384.

McGowan SE, et al. (2013) Platelet-derived growth factor-A regulates lung fibroblast S-phase entry through p27(kip1) and FoxO3a. Respiratory research, 14(1), 68.