Resource Summary Report

Generated by RRID on Jul 30, 2026

B6.129S7-Dp(16Lipi-Zbtb21)1Yey/J

RRID:IMSR_JAX:013530
Type: Organism

Proper Citation

RRID:IMSR_JAX:013530

Organism Information

URL: https://www.jax.org/strain/013530

Proper Citation: RRID:IMSR_JAX:013530

Description: Mus musculus with name B6.129S7-Dp(16Lipi-Zbtb21)1Yey/J from IMSR.

Species: Mus musculus

Synonyms: B6;129S7-Dp(16Lipi-Zfp295)1Yey/J. B6129S-Dp(16Lipi-Zfp295)1Yey/J. B6.129S7-Dp(16Lipi-Zfp295)1Yey/J

Notes: gene symbol note: duplication; Chr 16; Y Eugene Yu 1; mutant strain|congenic strain: Dp(16Lipi-Zbtb21)1Yey

Affected Gene: duplication; Chr 16; Y Eugene Yu 1

Genomic Alteration: duplication; Chr 16; Y Eugene Yu 1

Catalog Number: JAX:013530

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S7-Dp(16Lipi-Zbtb21)1Yey/J

Record Creation Time: 20250513T053724+0000

Record Last Update: 20260725T044433+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Dp(16Lipi-Zbtb21)1Yey/J.

No alerts have been found for B6.129S7-Dp(16Lipi-Zbtb21)1Yey/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Reeser RS, et al. (2026) Aberrant tissue mechanics and mechanotransduction during heart development in down syndrome. Journal of biomechanics, 195, 113103.

Chen XQ, et al. (2025) Hyperactivation of RAB5 disrupts the endosomal Rab cascade leading to endolysosomal dysregulation in Down syndrome: A necessary role for increased APP gene dose. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(5), e70046.

Araya P, et al. (2025) Interferon signaling modulates Down syndrome-associated Alzheimer's disease pathology in a mouse model. iScience, 28(8), 113130.

Chen XQ, et al. (2025) Antisense oligonucleotides directed against App and Rab5??normalized endosomal Rab activity and reversed DS-AD-linked degenerative phenotypes in the Dp16 mouse model of Down syndrome. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(5), e70022.

Rastogi M, et al. (2024) Integrative multi-omic analysis reveals conserved cell-projection deficits in human Down syndrome brains. Neuron, 112(15), 2503.

Colombi I, et al. (2024) Heterogeneous subpopulations of GABAAR-responding neurons coexist across neuronal network scales and developmental stages in health and disease. iScience, 27(4), 109438.

Chi C, et al. (2023) Interferon hyperactivity impairs cardiogenesis in Down syndrome via downregulation of canonical Wnt signaling. iScience, 26(7), 107012.

Thomas SN, et al. (2023) Down syndrome is associated with altered frequency and functioning of tracheal multiciliated cells, and response to influenza virus infection. iScience, 26(8), 107361.

Pinto B, et al. (2020) Rescuing Over-activated Microglia Restores Cognitive Performance in Juvenile Animals of the Dp(16) Mouse Model of Down Syndrome. Neuron, 108(5), 887.

Tuttle KD, et al. (2020) JAK1 Inhibition Blocks Lethal Immune Hypersensitivity in a Mouse Model of Down Syndrome. Cell reports, 33(7), 108407.

Sullivan KD, et al. (2016) Trisomy 21 consistently activates the interferon response. eLife, 5.