Resource Summary Report

Generated by dkNET on Sep 12, 2026

B6.129X1-Cmah^{tm1Avrk}/J

RRID:IMSR_JAX:017588
Type: Organism

Proper Citation

RRID:IMSR_JAX:017588

Organism Information

URL: https://www.jax.org/strain/017588

Proper Citation: RRID:IMSR_JAX:017588

Description: Mus musculus with name B6.129X1-Cmah^{tm1Avrk}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Cmah/J

Notes: gene symbol note: cytidine monophospho-N-acetylneuraminic acid hydroxylase; mutant strain|congenic strain: Cmah

Affected Gene: cytidine monophospho-N-acetylneuraminic acid hydroxylase

Genomic Alteration: targeted mutation 1; Ajit Varki

Catalog Number: JAX:017588

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129X1-Cmah^{tm1Avrk}/J

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260912T060519+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Cmah^{tm1Avrk}/J.

No alerts have been found for B6.129X1-Cmah^{tm1Avrk}/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 dkNET .

Lee GY, et al. (2025) Rifampin mediated decapsulation and enhanced bacterial clearance: a new mechanism of rifamycins. EBioMedicine, 117, 105787.

Segatori VI, et al. (2025) Combination of racotumomab immunotherapy with programmed death-1 blockade in a preclinical model of non-small cell lung cancer. Translational lung cancer research, 14(9), 3607.

Lee GY, et al. (2024) Single missense mutations in Vi capsule synthesis genes confer hypervirulence to Salmonella Typhi. bioRxiv : the preprint server for biology.

Lee GY, et al. (2024) Single missense mutations in Vi capsule synthesis genes confer hypervirulence to Salmonella Typhi. Nature communications, 15(1), 5258.

Lopez-Gordo E, et al. (2021) Hydroxylation of N-acetylneuraminic Acid Influences the in vivo Tropism of N-linked Sialic Acid-Binding Adeno-Associated Viruses AAV1, AAV5, and AAV6. Frontiers in medicine, 8, 732095.

Lee S, et al. (2020) Salmonella Typhoid Toxin PltB Subunit and Its Non-typhoidal Salmonella Ortholog Confer Differential Host Adaptation and Virulence. Cell host & microbe, 27(6), 937.

Dagur RS, et al. (2019) Human-like NSG mouse glycoproteins sialylation pattern changes the phenotype of human lymphocytes and sensitivity to HIV-1 infection. BMC immunology, 20(1), 2.