

Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

B6(Cg)-Chrna7^{tm1.1Ehs}/YakelJ

RRID:IMSR_JAX:026965

Type: Organism

Proper Citation

RRID:IMSR_JAX:026965

Organism Information

URL: <https://www.jax.org/strain/026965>

Proper Citation: RRID:IMSR_JAX:026965

Description: Mus musculus with name B6(Cg)-Chrna7^{tm1.1Ehs}/YakelJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: cholinergic receptor; nicotinic; alpha polypeptide 7; mutant strain: Chrna7

Affected Gene: cholinergic receptor; nicotinic; alpha polypeptide 7

Genomic Alteration: targeted mutation 1.1; National Institute of Environmental Health Science

Catalog Number: JAX:026965

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6(Cg)-Chrna7^{tm1.1Ehs}/YakelJ

Record Creation Time: 20250513T053759+0000

Record Last Update: 20260815T050710+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Chrna7^{tm1.1Ehs}/YakelJ.

No alerts have been found for B6(Cg)-Chrna7^{tm1.1Ehs}/YakelJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Zhang Z, et al. (2025) Prenatal electroacupuncture modulates maternal-fetal immune activation via a brain-to-splenic signal. Cell reports, 44(11), 116576.

Fritz M, et al. (2024) Nicotinic $\alpha 7$ receptors on cholinergic neurons in the striatum mediate cocaine-reinforcement, but not food reward. Frontiers in molecular neuroscience, 17, 1418686.

Gadomski S, et al. (2022) A cholinergic neuroskeletal interface promotes bone formation during postnatal growth and exercise. Cell stem cell, 29(4), 528.

Hellmer CB, et al. (2021) Cholinergic feedback to bipolar cells contributes to motion detection in the mouse retina. Cell reports, 37(11), 110106.

Gu Z, et al. (2020) Hippocampal Interneuronal $\alpha 7$ nAChRs Modulate Theta Oscillations in Freely Moving Mice. Cell reports, 31(10), 107740.

Papouin T, et al. (2017) Septal Cholinergic Neuromodulation Tunes the Astrocyte-Dependent Gating of Hippocampal NMDA Receptors to Wakefulness. Neuron, 94(4), 840.