

Resource Summary Report

Generated by T1D on Sep 5, 2026

B6.129X1-Becn1^{tm1Blev}/J

RRID:IMSR_JAX:018429

Type: Organism

Proper Citation

RRID:IMSR_JAX:018429

Organism Information

URL: <https://www.jax.org/strain/018429>

Proper Citation: RRID:IMSR_JAX:018429

Description: Mus musculus with name B6.129X1-Becn1^{tm1Blev}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: beclin 1; autophagy related; mutant strain|congenic strain: Becn1

Affected Gene: beclin 1; autophagy related

Genomic Alteration: targeted mutation 1; Beth Levine

Catalog Number: JAX:018429

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129X1-Becn1^{tm1Blev}/J

Record Creation Time: 20250513T053737+0000

Record Last Update: 20260905T044520+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-Becn1^{tm1Blev}/J.

No alerts have been found for B6.129X1-Becn1^{tm1Blev}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Zhang Y, et al. (2022) Pegylated arginine deiminase drives arginine turnover and systemic autophagy to dictate energy metabolism. Cell reports. Medicine, 3(1), 100498.

Gunawan M, et al. (2021) The Role of Autophagy in Chemical Proteasome Inhibition Model of Retinal Degeneration. International journal of molecular sciences, 22(14).

Kuramoto K, et al. (2021) The autophagy protein Becn1 improves insulin sensitivity by promoting adiponectin secretion via exocyst binding. Cell reports, 35(8), 109184.

Delaney JR, et al. (2020) Autophagy gene haploinsufficiency drives chromosome instability, increases migration, and promotes early ovarian tumors. PLoS genetics, 16(1), e1008558.