Resource Summary Report

Generated by T1D on Sep 6, 2026

B6.Cg-Tg(Ins2-cre)25Mgn/J

RRID:IMSR_JAX:003573
Type: Organism

Proper Citation

RRID:IMSR_JAX:003573

Organism Information

URL: https://www.jax.org/strain/003573

Proper Citation: RRID:IMSR_JAX:003573

Description: Mus musculus with name B6.Cg-Tg(Ins2-cre)25Mgn/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-TgN(Ins2Cre)25Mgn. C57BL/6-Tg(Ins2-cre)25Mgn/J. C57BL/6-TgN(Ins2-Cre)25Mgn

Notes: gene symbol note: |insulin II|transgene insertion 25; Mark A Magnuson; mutant strain|congenic strain: |Ins2|Tg(Ins2-cre)25Mgn

Affected Gene: |insulin II|transgene insertion 25; Mark A Magnuson

Genomic Alteration: transgene insertion 25; Mark A Magnuson

Catalog Number: JAX:003573

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Ins2-cre)25Mgn/J

Record Creation Time: 20250513T053640+0000

Record Last Update: 20260905T044420+0000

Ratings and Alerts

- Used for humanized mouse by the Human Islet Research Network community. Contact(s): Christopher Wright, Al Powers, Marcela Brissova - Human Islets Research Network https://hirnetwork.org/

No alerts have been found for B6.Cg-Tg(Ins2-cre)25Mgn/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 T1D .

Wang T, et al. (2025) Identification of a neural basis for energy expenditure in the mouse arcuate hypothalamus. Neuron.

Hatano R, et al. (2024) Mosaic ablation of pancreatic ? cells induces de-differentiation and repetitive proliferation of residual ? cells in adult mice. iScience, 27(9), 110656.

Xiong L, et al. (2024) circGlis3 promotes ?-cell dysfunction by binding to heterogeneous nuclear ribonucleoprotein F and encoding Glis3-348aa protein. iScience, 27(1), 108680.

Fang Y, et al. (2024) Cytosolic pH is a direct nexus in linking environmental cues with insulin processing and secretion in pancreatic ? cells. Cell metabolism.

Shin DS, et al. (2023) Lung injury induces a polarized immune response by self-antigen-specific CD4+ Foxp3+ regulatory T cells. Cell reports, 42(8), 112839.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. Cell reports, 42(2), 112118.

Hong HJ, et al. (2022) Mitoribosome insufficiency in ? cells is associated with type 2 diabetes-like islet failure. Experimental & molecular medicine, 54(7), 932.

Plecitá-Hlavatá L, et al. (2020) Glucose-Stimulated Insulin Secretion Fundamentally Requires H2O2 Signaling by NADPH Oxidase 4. Diabetes, 69(7), 1341.

Horton TM, et al. (2019) Zinc-Chelating Small Molecules Preferentially Accumulate and Function within Pancreatic ? Cells. Cell chemical biology, 26(2), 213.

Morgenstern TJ, et al. (2019) A potent voltage-gated calcium channel inhibitor engineered from a nanobody targeted to auxiliary CaV? subunits. eLife, 8.

Lu TT, et al. (2018) The Polycomb-Dependent Epigenome Controls ? Cell Dysfunction, Dedifferentiation, and Diabetes. Cell metabolism, 27(6), 1294.

Zeng C, et al. (2017) Pseudotemporal Ordering of Single Cells Reveals Metabolic Control of Postnatal ? Cell Proliferation. Cell metabolism, 25(5), 1160.