

Resource Summary Report

Generated by T1D on Sep 20, 2026

B6.Cg-Tg(Ins1-EGFP)1Hara/J

RRID:IMSR_JAX:006864

Type: Organism

Proper Citation

RRID:IMSR_JAX:006864

Organism Information

URL: <https://www.jax.org/strain/006864>

Proper Citation: RRID:IMSR_JAX:006864

Description: Mus musculus with name B6.Cg-Tg(Ins1-EGFP)1Hara/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |transgene insertion 1; Manami Hara|insulin I; mutant strain: |Tg(Ins1-EGFP)1Hara|Ins1

Affected Gene: |transgene insertion 1; Manami Hara|insulin I

Genomic Alteration: transgene insertion 1; Manami Hara

Catalog Number: JAX:006864

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Ins1-EGFP)1Hara/J

Record Creation Time: 20250513T053659+0000

Record Last Update: 20260919T054849+0000

Ratings and Alerts

- Used for genotyping by the Human Islet Research Network community. Contact(s): [Mark Huising](mailto:Mark.Huising@hirnetwork.org) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for B6.Cg-Tg(Ins1-EGFP)1Hara/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Bok S, et al. (2023) A multi-stem cell basis for craniosynostosis and calvarial mineralization. *Nature*, 621(7980), 804.

Fukaishi T, et al. (2021) Characterisation of Ppy-lineage cells clarifies the functional heterogeneity of pancreatic beta cells in mice. *Diabetologia*, 64(12), 2803.

Yu H, et al. (2020) Generation of Multipotent Stem Cells from Adult Human Peripheral Blood Following the Treatment with Platelet-Derived Mitochondria. *Cells*, 9(6).

Elhanani O, et al. (2020) Protocol for Studying Reprogramming of Mouse Pancreatic Acinar Cells to β -like Cells. *STAR protocols*, 1(2), 100096.

Xue J, et al. (2019) CDK8 Regulates Insulin Secretion and Mediates Postnatal and Stress-Induced Expression of Neuropeptides in Pancreatic β Cells. *Cell reports*, 28(11), 2892.

Ceasrine AM, et al. (2018) Adrb2 controls glucose homeostasis by developmental regulation of pancreatic islet vasculature. *eLife*, 7.

Malhotra D, et al. (2016) Tolerance is established in polyclonal CD4(+) T cells by distinct mechanisms, according to self-peptide expression patterns. *Nature immunology*, 17(2), 187.

Brand C, et al. (2014) In vivo imaging of GLP-1R with a targeted bimodal PET/fluorescence imaging agent. *Bioconjugate chemistry*, 25(7), 1323.

Keliher EJ, et al. (2012) Efficient ^{18}F -Labeling of Synthetic Exendin-4 Analogues for Imaging Beta Cells. *ChemistryOpen*, 1(4), 177.