Resource Summary Report

Generated by dkNET on Sep 8, 2026

STOCK Glp1r$^{tm1.1(cre)Lbrl}$/RcngJ

RRID:IMSR_JAX:029283
Type: Organism

Proper Citation

RRID:IMSR_JAX:029283

Organism Information

URL: https://www.jax.org/strain/029283

Proper Citation: RRID:IMSR_JAX:029283

Description: Mus musculus with name STOCK Glp1r$^{tm1.1(cre)Lbrl}$/RcngJ from IMSR.

Species: Mus musculus

Synonyms: STOCK Glp1r/J

Notes: gene symbol note: |glucagon-like peptide 1 receptor; mutant stock: |Glp1r

Affected Gene: |glucagon-like peptide 1 receptor

Genomic Alteration: targeted mutation 1.1; Stephen Liberles

Catalog Number: JAX:029283

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Glp1r$^{tm1.1(cre)Lbrl}$/RcngJ

Record Creation Time: 20250513T053808+0000

Record Last Update: 20260905T044545+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Glp1r$^{tm1.1(cre)Lbrl}$/RcngJ.

No alerts have been found for STOCK Glp1r$^{tm1.1(cre)Lbrl}$/RcngJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Wang Z, et al. (2026) An enteric-DRG pathway for interoception and visceral pain in mice. Neuron, 114(1), 105.

Merchant W, et al. (2026) RYGB induces vagal sensory neuropathy characterized by altered Glp1r expression and enhanced exendin-4 responsiveness in male mice. American journal of physiology. Endocrinology and metabolism, 330(1), E114.

Godschall EN, et al. (2026) A brain reward circuit inhibited by next-generation weight-loss drugs in mice. Nature, 654(8120), 1055.

Duran M, et al. (2026) The central amygdala gates exogenous glucagon-like peptide 1 signals. Molecular metabolism, 110, 102403.

Godschall EN, et al. (2025) A Brain Reward Circuit Inhibited By Next-Generation Weight Loss Drugs. bioRxiv : the preprint server for biology.

Wei Y, et al. (2025) Sympathetic functional units encoded by genetically defined postganglionic neurons. Neuron.

Savani RH, et al. (2025) Individual paraventricular hypothalamic GLP-1R neurons track ingestion across energy states. iScience, 28(12), 114070.

Chang H, et al. (2024) Stress-sensitive neural circuits change the gut microbiome via duodenal glands. Cell, 187(19), 5393.

Schappe MS, et al. (2024) A vagal reflex evoked by airway closure. Nature, 627(8005), 830.

Steiner A, et al. (2022) Glucagon-like peptide-1 receptor differentially controls mossy cell activity across the dentate gyrus longitudinal axis. Hippocampus, 32(11-12), 797.

Zhang T, et al. (2022) An inter-organ neural circuit for appetite suppression. Cell, 185(14), 2478.

Borgmann D, et al. (2021) Gut-brain communication by distinct sensory neurons differently controls feeding and glucose metabolism. Cell metabolism, 33(7), 1466.

Biddinger JE, et al. (2020) Leptin suppresses development of GLP-1 inputs to the paraventricular nucleus of the hypothalamus. eLife, 9.

Prescott SL, et al. (2020) An Airway Protection Program Revealed by Sweeping Genetic Control of Vagal Afferents. Cell, 181(3), 574.

Li C, et al. (2019) Defined Paraventricular Hypothalamic Populations Exhibit Differential Responses to Food Contingent on Caloric State. Cell metabolism, 29(3), 681.