Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

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: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:29283

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

Record Creation Time: 20230509T193327+0000

Record Last Update: 20250412T090740+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: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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

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

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.

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

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

Bai L, et al. (2019) Genetic Identification of Vagal Sensory Neurons That Control Feeding. Cell, 179(5), 1129.

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