Resource Summary Report

Generated by T1D on Sep 20, 2026

STOCK Agrp$^{tm1(cre)Lowl}$/J

RRID:IMSR_JAX:012899
Type: Organism

Proper Citation

RRID:IMSR_JAX:012899

Organism Information

URL: https://www.jax.org/strain/012899

Proper Citation: RRID:IMSR_JAX:012899

Description: Mus musculus with name STOCK Agrp$^{tm1(cre)Lowl}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: agouti related neuropeptide|; mutant stock: Agrp|

Affected Gene: agouti related neuropeptide|

Genomic Alteration: targeted mutation 1; Bradford B Lowell

Catalog Number: JAX:012899

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Agrp$^{tm1(cre)Lowl}$/J

Record Creation Time: 20250513T053723+0000

Record Last Update: 20260919T054910+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Agrp$^{tm1(cre)Lowl}$/J.

No alerts have been found for STOCK Agrp$^{tm1(cre)Lowl}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 118 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Manceau R, et al. (2026) Neuronal lipid droplets play a conserved and sex-biased role in maintaining whole-body energy homeostasis. Nature metabolism, 8(5), 1034.

Brandon AE, et al. (2026) Protein kinase C epsilon deletion in AgRP neurons modulates hypothalamic glucose sensing and improves glucose tolerance in mice. Molecular metabolism, 104, 102320.

Glat M, et al. (2026) AgRP neuron activity predicts and tracks the glycemic response to oral glucose. Molecular metabolism, 108, 102372.

Kuang D, et al. (2026) Olfactory inputs to appetite neurons in the hypothalamus. Proceedings of the National Academy of Sciences of the United States of America, 123(5), e2524926123.

Glat M, et al. (2026) AgRP Neuron Activity Predicts and Tracks the Glycemic Response to Oral Glucose. bioRxiv : the preprint server for biology.

Kim CY, et al. (2026) Protocol to design and implement scalable wireless network system for high-throughput, automated behavioral and circuit neuroscience in mice. STAR protocols, 7(2), 104453.

Del Río-Martín A, et al. (2026) Mitochondrial fission factor regulates mitochondrial Ca2+ homeostasis and neuronal activity in AgRP neurons. Neuron.

McKnight AD, et al. (2026) Attenuated hypothalamic response to fructose via a dedicated gut-brain pathway. Neuron.

Wang J, et al. (2026) Adipocyte-derived extracellular vesicles are key regulators of central leptin sensitivity and energy homeostasis. Cell metabolism, 38(1), 82.

Hayes NW, et al. (2026) IL-1? engages distinct peripheral sensory circuits to suppress feeding across time. bioRxiv : the preprint server for biology.

Barrile F, et al. (2026) Ghrelin-induced food intake in male mice requires peripheral extrahepatic GHR signaling. Endocrinology, 167(2).

Tahor M, et al. (2026) Disruption of the developmental factor Otp in the adult male forebrain reveals its diverse physiological functions. Endocrinology, 167(4).

Walker SJ, et al. (2026) A hypothalamic circuit for anticipating future changes in energy balance. Neuron.

de Sousa LMM, et al. (2026) Loss of GABAergic transmission from somatostatin neurons leads to starvation, which is attenuated by a palatable diet. Life sciences, 398, 124455.

Casanueva Reimon L, et al. (2025) Fat sensory cues in early life program central response to food and obesity. Nature metabolism, 7(12), 2451.

Wang DC, et al. (2025) Distinct neural representations of hunger and thirst in neonatal mice before the emergence of food- and water-seeking behaviors. Current biology : CB, 35(13), 3106.

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

Pan L, et al. (2025) The gut-brain axis mechanism of normal appetite induced by kynurenic acid. Cell reports, 44(5), 115659.

Kohno D, et al. (2025) FTO promotes weight gain via altering Kif1a splicing and axonal vesicle trafficking in AgRP neurons. The EMBO journal, 44(18), 4919.

Mendoza-Romero HN, et al. (2025) Microglia are required for developmental specification of AgRP innervation in the hypothalamus of offspring exposed to maternal high-fat diet during lactation. eLife, 13.