

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

B6(Cg)-Crh^{tm1(cre)}Zjh/J

RRID:IMSR_JAX:012704

Type: Organism

Proper Citation

RRID:IMSR_JAX:012704

Organism Information

URL: <https://www.jax.org/strain/012704>

Proper Citation: RRID:IMSR_JAX:012704

Description: Mus musculus with name B6(Cg)-Crh^{tm1(cre)}Zjh/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Crh/J

Notes: gene symbol note: corticotropin releasing hormone|; mutant strain: Crh|

Affected Gene: corticotropin releasing hormone|

Genomic Alteration: targeted mutation 1; Z Josh Huang

Catalog Number: JAX:012704

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(Cg)-Crh^{tm1(cre)}Zjh/J

Record Creation Time: 20250513T053722+0000

Record Last Update: 20260919T054909+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Crh^{tm1(cre)}Zjh/J.

No alerts have been found for B6(Cg)-Crh^{tm1(cre)}Zjh/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

Cook SG, et al. (2026) Psilocybin induces sex- and context-specific recruitment of the stress axis. *Current biology : CB*, 36(1), 122.

Rouefin M, et al. (2026) Region and Cell-Selective Induction of Zbtb16/Plzf by Multiple Stressors in the Adult Murine Hypothalamus. *The European journal of neuroscience*, 63(6), e70454.

Wang LH, et al. (2026) Alteration of cellular representation in the central amygdala mediates stress-induced analgesia in mice. *Neuron*, 114(14), 2641.

Zhao H, et al. (2026) Restoring circadian rhythms in the hypothalamic paraventricular nucleus reverses aging biomarkers and extends lifespan in male mice. *Cell*, 189(7), 2007.

Feng X, et al. (2026) Slow-wave sleep engages brainstem circuitry to prevent stress-induced anxiety. *Neuron*.

Cumpana L, et al. (2025) Corticotropin-releasing hormone modulates NREM sleep consolidation through the thalamic reticular nucleus. *Nature communications*, 16(1), 7720.

Li T, et al. (2025) A pontine center in descending pain control. *Neuron*, 113(11), 1789.

Ries C, et al. (2025) Neuropeptide CRH prevents premature differentiation of OPCs following CNS injury and in early postnatal development. *Cell reports*, 44(11), 116474.

Hon OJ, et al. (2025) Sex differences in BNST signaling and BNST CRF in fear processing. *eLife*, 12.

Eckenwiler EA, et al. (2025) Corticotropin-Releasing Factor Release From a Unique Subpopulation of Accumbal Neurons Constrains Action-Outcome Acquisition in Reward Learning. *Biological psychiatry*, 97(6), 637.

Gomez AM, et al. (2025) Aberrant hypothalamic neuronal activity blunts glucocorticoid diurnal rhythms in murine breast cancer. *Neuron*.

Kashiwagi M, et al. (2024) A pontine-medullary loop crucial for REM sleep and its deficit in Parkinson's disease. *Cell*, 187(22), 6272.

Grant E, et al. (2024) Biofilm exopolysaccharides alter sensory-neuron-mediated sickness during lung infection. *Cell*.

Ramirez-Plascencia OD, et al. (2024) A hypothalamic circuit for circadian regulation of corticosterone secretion. Research square.

Wang L, et al. (2024) Fasting-activated ventrolateral medulla neurons regulate T cell homing and suppress autoimmune disease in mice. Nature neuroscience, 27(3), 462.

Xu X, et al. (2024) Hypothalamic CRF neurons facilitate brain reward function. Current biology : CB, 34(2), 389.

Tavares MR, et al. (2024) Growth Hormone Receptor in Lateral Hypothalamic Neurons Is Required for Increased Food-Seeking Behavior during Food Restriction in Male Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(47).

Wang F, et al. (2023) A parabrachial to hypothalamic pathway mediates defensive behavior. eLife, 12.

Birnie MT, et al. (2023) Stress-induced plasticity of a CRH/GABA projection disrupts reward behaviors in mice. Nature communications, 14(1), 1088.

McIntyre C, et al. (2023) Hypothalamic PVN CRH neurons signal through PVN GABA neurons to suppress GnRH pulse generator frequency in female mice. Endocrinology, 164(6).