

Resource Summary Report

Generated by T1D on Sep 19, 2026

B6;129S-Cartpt^{tm1.1(cre)}Hze/J

RRID:IMSR_JAX:028533

Type: Organism

Proper Citation

RRID:IMSR_JAX:028533

Organism Information

URL: <https://www.jax.org/strain/028533>

Proper Citation: RRID:IMSR_JAX:028533

Description: Mus musculus with name B6;129S-Cartpt^{tm1.1(cre)}Hze/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |CART prepropeptide; mutant stock: |Cartpt

Affected Gene: |CART prepropeptide

Genomic Alteration: targeted mutation 1.1; Hongkui Zeng

Catalog Number: JAX:028533

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S-Cartpt^{tm1.1(cre)}Hze/J

Record Creation Time: 20250513T053804+0000

Record Last Update: 20260919T054949+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Cartpt^{tm1.1(cre)}Hze/J.

No alerts have been found for B6;129S-Cartpt^{tm1.1(cre)}Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Kumar S, et al. (2026) A distinct vagus-beta cell neural circuit senses glucose and modulates insulin secretion. *Molecular metabolism*, 108, 102371.

Fei Y, et al. (2025) Coordination of distinct sources of excitatory inputs enhances motion selectivity in the mouse visual thalamus. *Neuron*.

Houser G, et al. (2025) Organization and development of bilateral somatosensory feedback projections in mice. *iScience*, 28(6), 112725.

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

Sonoda T, et al. (2025) Limited transmission of mixed convergent signals at the mouse retinogeniculate synapse. *Neuron*.

M??llner FE, et al. (2024) Individual thalamic inhibitory interneurons are functionally specialized toward distinct visual features. *Neuron*, 112(16), 2765.

Toma K, et al. (2024) Perivascular neurons instruct 3D vascular lattice formation via neurovascular contact. *Cell*, 187(11), 2767.

de Araujo AM, et al. (2023) Asymmetric control of food intake by left and right vagal sensory neurons. *bioRxiv : the preprint server for biology*.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. *Cell reports*, 42(2), 112118.

Priest MF, et al. (2023) Peptidergic and functional delineation of the Edinger-Westphal nucleus. *Cell reports*, 42(8), 112992.

Topilko T, et al. (2022) Edinger-Westphal peptidergic neurons enable maternal preparatory nesting. *Neuron*, 110(8), 1385.

van de Haar LL, et al. (2022) Molecular signatures and cellular diversity during mouse habenula development. *Cell reports*, 40(1), 111029.

Jiang Q, et al. (2022) Functional convergence of on-off direction-selective ganglion cells in the visual thalamus. *Current biology : CB*, 32(14), 3110.

Matsumoto A, et al. (2021) Direction selectivity in retinal bipolar cell axon terminals. *Neuron*, 109(18), 2928.

Daigle TL, et al. (2018) A Suite of Transgenic Driver and Reporter Mouse Lines with Enhanced Brain-Cell-Type Targeting and Functionality. *Cell*, 174(2), 465.

Lovett-Barron M, et al. (2017) Ancestral Circuits for the Coordinated Modulation of Brain State. *Cell*, 171(6), 1411.