

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

B6J.129S1-Htt^{tm1Mfc}/140ChdiJ

RRID:IMSR_JAX:027409

Type: Organism

Proper Citation

RRID:IMSR_JAX:027409

Organism Information

URL: <https://www.jax.org/strain/027409>

Proper Citation: RRID:IMSR_JAX:027409

Description: Mus musculus with name B6J.129S1-Htt^{tm1Mfc}/140ChdiJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: huntingtin; mutant strain|congenic strain: Htt

Affected Gene: huntingtin

Genomic Alteration: targeted mutation 1; Marie-Francoise Chesselet

Catalog Number: JAX:027409

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6J.129S1-Htt^{tm1Mfc}/140ChdiJ

Record Creation Time: 20250513T053800+0000

Record Last Update: 20260919T054945+0000

Ratings and Alerts

No rating or validation information has been found for B6J.129S1-Htt^{tm1Mfc}/140ChdiJ.

No alerts have been found for B6J.129S1-Htt^{tm1Mfc}/140ChdiJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Xie L, et al. (2026) Mutant huntingtin disrupts TET1 transcription and alters DNA methylation in a Huntington's disease knock-in pig model. *Cell reports*, 45(7), 117584.

Justice JL, et al. (2025) Multi-epitope immunocapture of huntingtin reveals striatum-selective molecular signatures. *Molecular systems biology*, 21(5), 492.

Croce KR, et al. (2025) A rare genetic variant confers resistance to neurodegeneration across multiple neurological disorders by augmenting selective autophagy. *Neuron*.

Chen JH, et al. (2023) Reduced lysosomal density in neuronal dendrites mediates deficits in synaptic plasticity in Huntington's disease. *Cell reports*, 42(12), 113573.

Wang N, et al. (2022) Mapping brain gene coexpression in daytime transcriptomes unveils diurnal molecular networks and deciphers perturbation gene signatures. *Neuron*, 110(20), 3318.

Park H, et al. (2018) Cortical Axonal Secretion of BDNF in the Striatum Is Disrupted in the Mutant-huntingtin Knock-in Mouse Model of Huntington's Disease. *Experimental neurobiology*, 27(3), 217.