Resource Summary Report

Generated by RRID on Aug 1, 2026

B6.Cg-Tg(HDexon1)61Gpb/J

RRID:IMSR_JAX:006471
Type: Organism

Proper Citation

RRID:IMSR_JAX:006471

Organism Information

URL: https://www.jax.org/strain/006471

Proper Citation: RRID:IMSR_JAX:006471

Description: Mus musculus with name B6.Cg-Tg(HDexon1)61Gpb/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: huntingtin|transgene insertion 61; Gillian Bates; mutant strain|congenic strain: HTT|Tg(HDexon1)61Gpb

Affected Gene: huntingtin|transgene insertion 61; Gillian Bates

Genomic Alteration: transgene insertion 61; Gillian Bates

Catalog Number: JAX:006471

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(HDexon1)61Gpb/J

Record Creation Time: 20250513T053657+0000

Record Last Update: 20260801T050359+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(HDexon1)61Gpb/J.

No alerts have been found for B6.Cg-Tg(HDexon1)61Gpb/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 83 mentions in open access literature.

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

López-Molina L, et al. (2025) Mitochondria from huntington´s disease striatal astrocytes are hypermetabolic and compromise neuronal branching. Cell communication and signaling : CCS, 23(1), 341.

Garcia-Forn M, et al. (2025) Sertraline treatment prevents motor dysfunction in a Huntington's disease mouse model and functional decline in patients. Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics, 22(6), e00716.

Jiménez-Jiménez FJ, et al. (2025) Oxidative Stress in Huntington's Disease. Biomolecules, 15(4).

Luis-Ravelo D, et al. (2025) Dopamine Receptor D3 Induces Transient, mTORC1-Dependent Autophagy That Becomes Persistent, AMPK-Mediated, and Neuroprotective in Experimental Models of Huntington's Disease. Cells, 14(9).

Sebastián-Serrano Á, et al. (2025) Down-regulation of neuroprotective protein kinase D in Huntington´s disease. Cell death & disease, 16(1), 418.

Gao B, et al. (2025) Ubiquitin specific peptidase 11 knockdown slows Huntington's disease progression via regulating mitochondrial dysfunction and neuronal damage depending on PTEN-mediated AKT pathway. Molecular medicine (Cambridge, Mass.), 31(1), 7.

Brulé B, et al. (2025) Accelerated epigenetic aging in Huntington's disease involves polycomb repressive complex 1. Nature communications, 16(1), 1550.

Castany-Pladevall C, et al. (2025) Increased translation in adult mouse striatum is sufficient to induce motor dysfunction. Brain communications, 7(4), fcaf250.

Sitjà-Roqueta L, et al. (2025) Photoactivated adenylyl cyclase in cortical astrocytes promotes synaptic potentiation and reveals alterations in Huntington's disease. iScience, 28(11), 113640.

Blanco-Hernán P, et al. (2025) The Retinal Dopaminergic Circuit as a Biomarker for Huntington's and Alzheimer's Diseases. International journal of molecular sciences, 26(12).

Di Franco N, et al. (2025) Restoration of CB1 receptor function in hippocampal GABAergic neurons rescues memory deficits in Huntington's disease models. Translational

neurodegeneration, 14(1), 44.

Noridomi K, et al. (2025) Protofibril Binding Peptides Recognize and Inhibit Huntingtin Amyloid Formation in vitro and in vivo. bioRxiv : the preprint server for biology.

Ramani B, et al. (2025) The Hsp40 co-chaperone DNAJC7 modifies polyglutamine but not polyglycine aggregation. bioRxiv : the preprint server for biology.

Pierzynowska K, et al. (2024) Correction of symptoms of Huntington disease by genistein through FOXO3-mediated autophagy stimulation. Autophagy, 20(5), 1159.

Solana-Balaguer J, et al. (2024) Motor skill learning modulates striatal extracellular vesicles' content in a mouse model of Huntington's disease. Cell communication and signaling : CCS, 22(1), 321.

García-García E, et al. (2024) Preserved VPS13A distribution and expression in Huntington's disease: divergent mechanisms of action for similar movement disorders? Frontiers in neuroscience, 18, 1394478.

Cano-Cano F, et al. (2024) Retinal dysfunction in Huntington's disease mouse models concurs with local gliosis and microglia activation. Scientific reports, 14(1), 4176.

Yang D, et al. (2024) Abnormal outer and inner retina in a mouse model of Huntington's disease with age. Frontiers in aging neuroscience, 16, 1434551.

Rodríguez-Urgellés E, et al. (2023) Thalamic Foxp2 regulates output connectivity and sensory-motor impairments in a model of Huntington's Disease. Cellular and molecular life sciences : CMLS, 80(12), 367.

Mielcarek M, et al. (2023) A minimal region of the HSP90AB1 promoter is suitable for ubiquitous expression in different somatic tissues with applicability for gene therapy. Frontiers in molecular biosciences, 10, 1175407.